

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

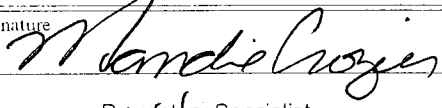
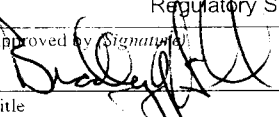
5. Lease Serial No. UTU-74391
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or CA Agreement, Name and No. N/A
8. Lease Name and Well No. Federal 12-19-9-16
9. API Well No. 43-013-33102
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area NW/SW Sec. 19, T9S R16E
12. County or Parish Duchesne
13. State UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		
2. Name of Operator Newfield Production Company		
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 1903' FSL 791' FSL 571041X 40.04491 At proposed prod. zone 4429487Y -110.167597		
14. Distance in miles and direction from nearest town or post office* Approximatley 14.5 miles southwest of Myton, Utah		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 737' f/lse, NA' f/unit	16. No. of Acres in lease 2139.50	17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1190'	19. Proposed Depth 5760'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6024' GL	22. Approximate date work will start* 2nd Quarter 2006	23. Estimated duration Approximately seven (7) days from spurt to rig release

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/17/06
Title Regulatory Specialist		
Approved by Signature 	Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL MANAGER	Date 03-27-06
Title		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED

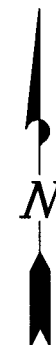
MAR 21 2006

DIV. OF OIL, GAS & MINING

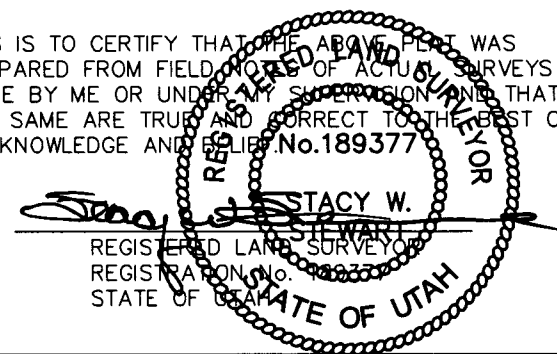
T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 Mile 12-19-9-16,
LOCATED AS SHOWN IN THE NW 1/4 SW
1/4 OF SECTION 19, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.

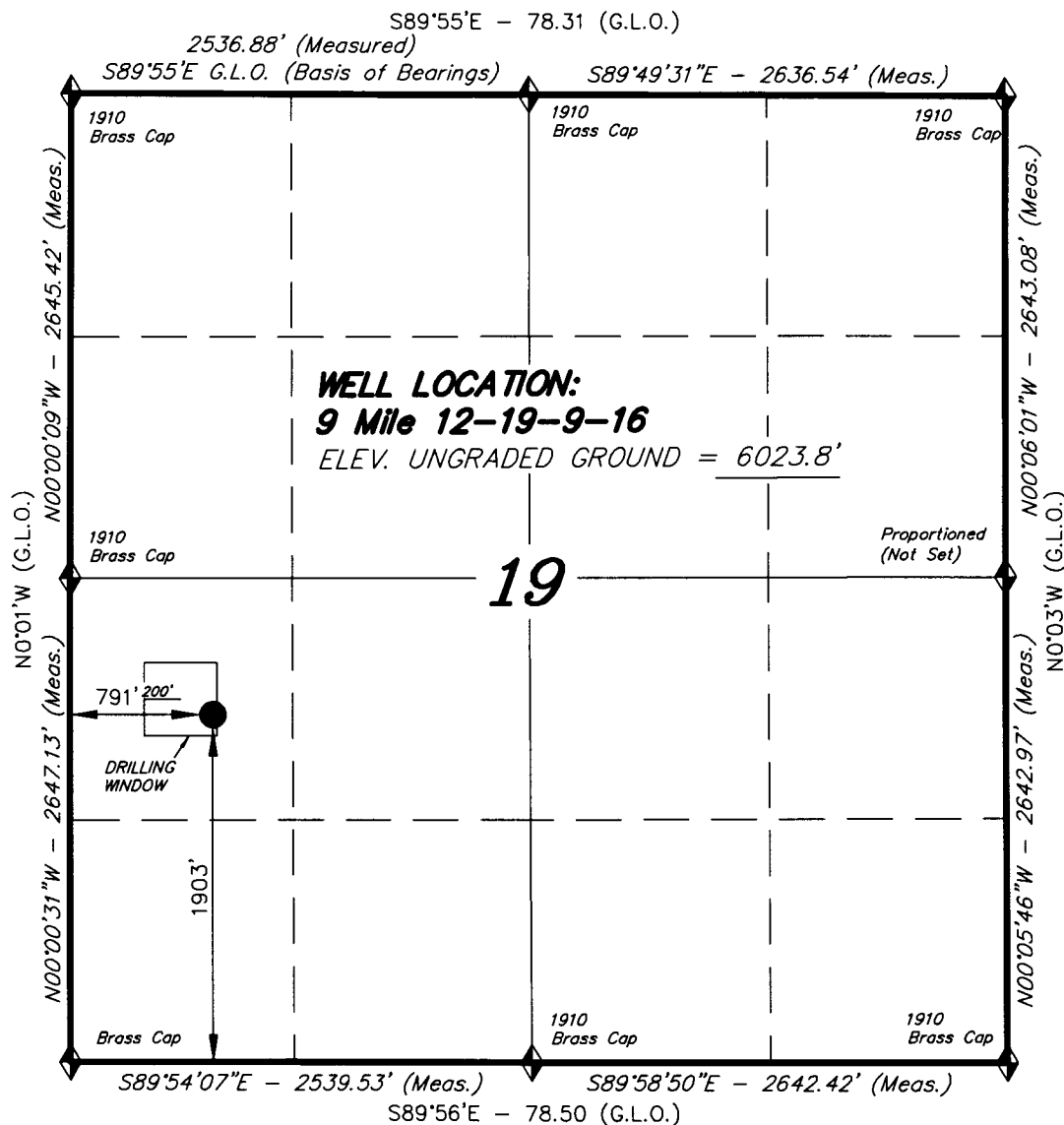


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377



TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 2-20-06	SURVEYED BY: C.M.
DATE DRAWN: 2-24-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 Mile 12-19-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 51.78"
LONGITUDE = 110° 10' 05.93"



March 17, 2006

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 6-19-9-16, 8-19-9-16, 12-19-9-16,
13-19-9-16, 5-20-9-16, and 15-20-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

A handwritten signature in black ink that reads "Mandie Crozier".

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

MAR 21 2006

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
FEDERAL #12-19-9-16
NW/SW SECTION 19, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 2165'
Green River	2165'
Wasatch	5760'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2165' – 5760' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
FEDERAL #12-19-9-16
NW/SW SECTION 19, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #12-19-9-16 located in the NW 1/4 SW 1/4 Section 19, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly - 12.9 miles \pm to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 410' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Olive Black.
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-225, 7/13/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #12-19-9-16 Newfield Production Company requests 410' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 280' of disturbed area be granted in Lease UTU-64379 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

None for this proposed location.

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Crested Wheatgrass	<i>Agropyron Cristatum</i>	4 lbs/acre
Needle and Threadgrass	<i>Stipa Comata</i>	4 lbs/acre
Indian Ricegrass	<i>Oryzopsis Hymenoides</i>	4 lbs/acre

Details of the On-Site Inspection

The proposed Federal #12-19-9-16 was on-sited on 1/25/06. The following were present: Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), Chris Carusona

(Bureau of Land Management), Todd McGrath (Bureau of Land Management), Brandon McDonald (Bureau of Landmanagement), and Charlie Shard (SWCA). Weather conditions were clear and ground cover was 50% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Shon Mckinnon
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #12-19-9-16 NW/SW Section 19, Township 9S, Range 16E: Lease UTU-74391 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

3/17/06

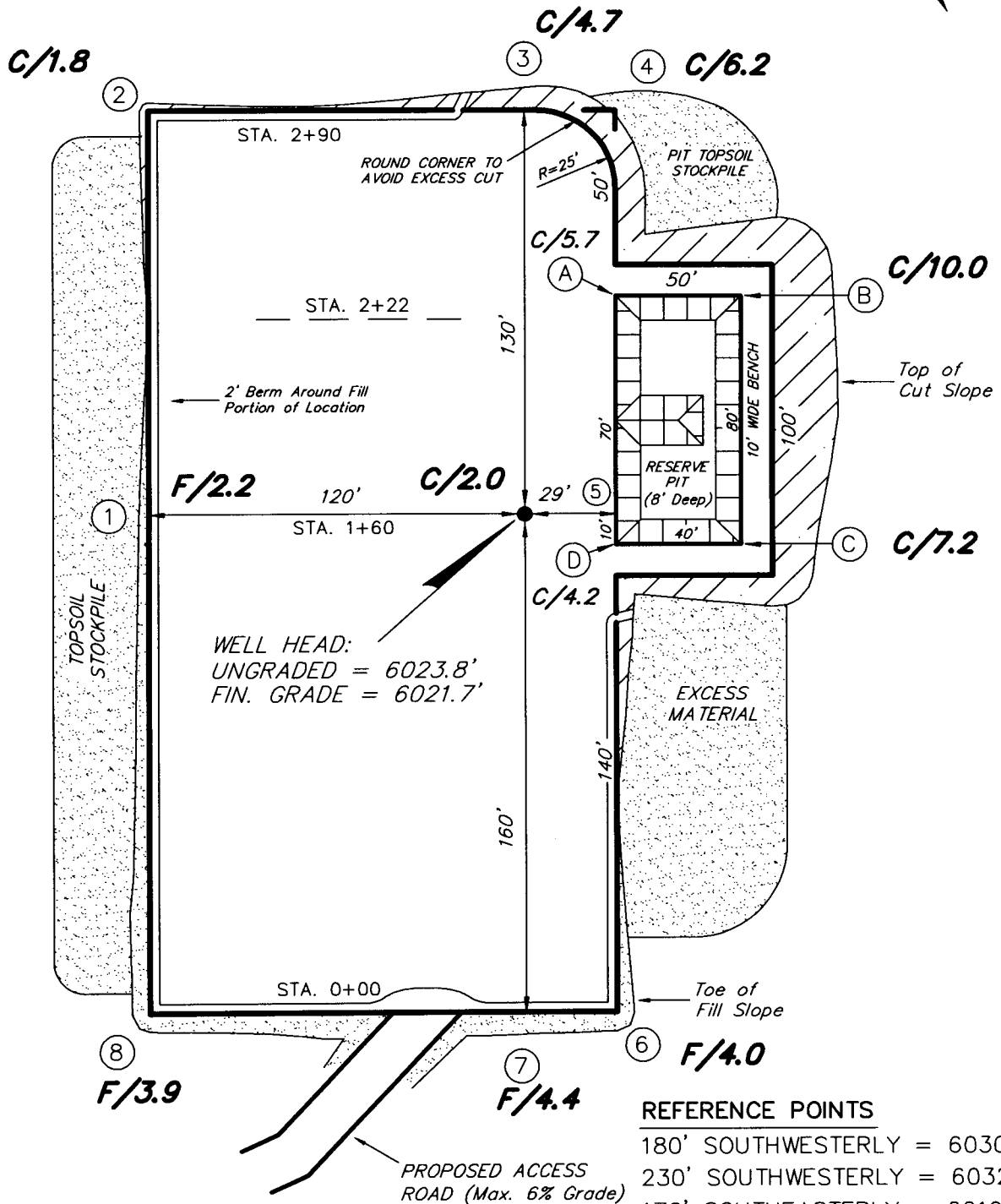
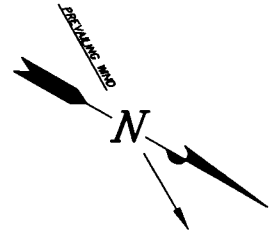
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

9 MILE 12-19-9-16

Section 19, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

180' SOUTHWESTERLY = 6030.1'
230' SOUTHWESTERLY = 6032.2'
170' SOUTHEASTERLY = 6019.9'
220' SOUTHEASTERLY = 6020.6'

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

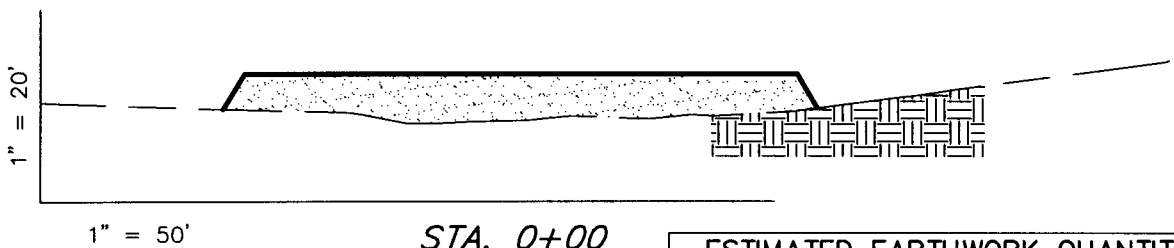
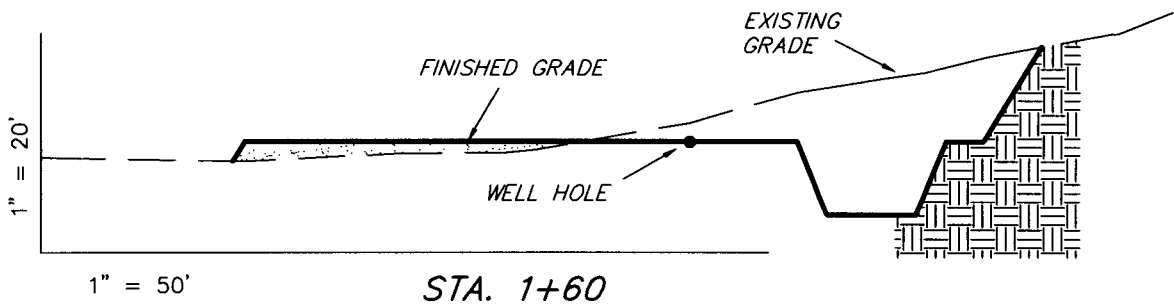
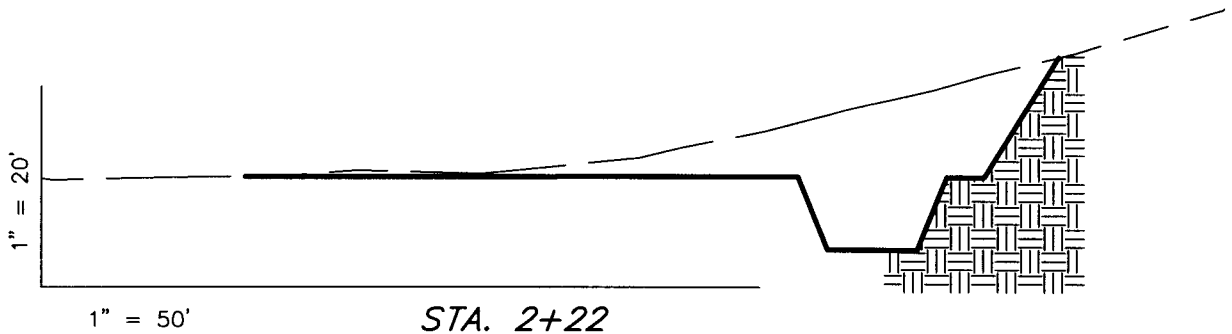
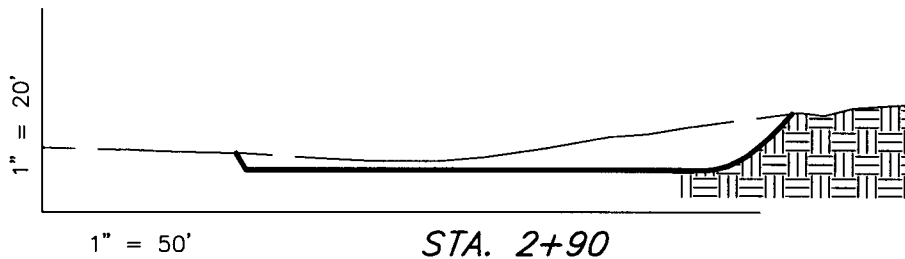
DATE: 2-24-06

Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

NEWFIELD PRODUCTION COMPANY
CROSS SECTIONS
9 MILE 12-19-9-16



NOTE:
 UNLESS OTHERWISE NOTED
 ALL CUT/FILL SLOPES ARE
 AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,010	3,010	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	3,650	3,010	1,010	640

SURVEYED BY: C.M.

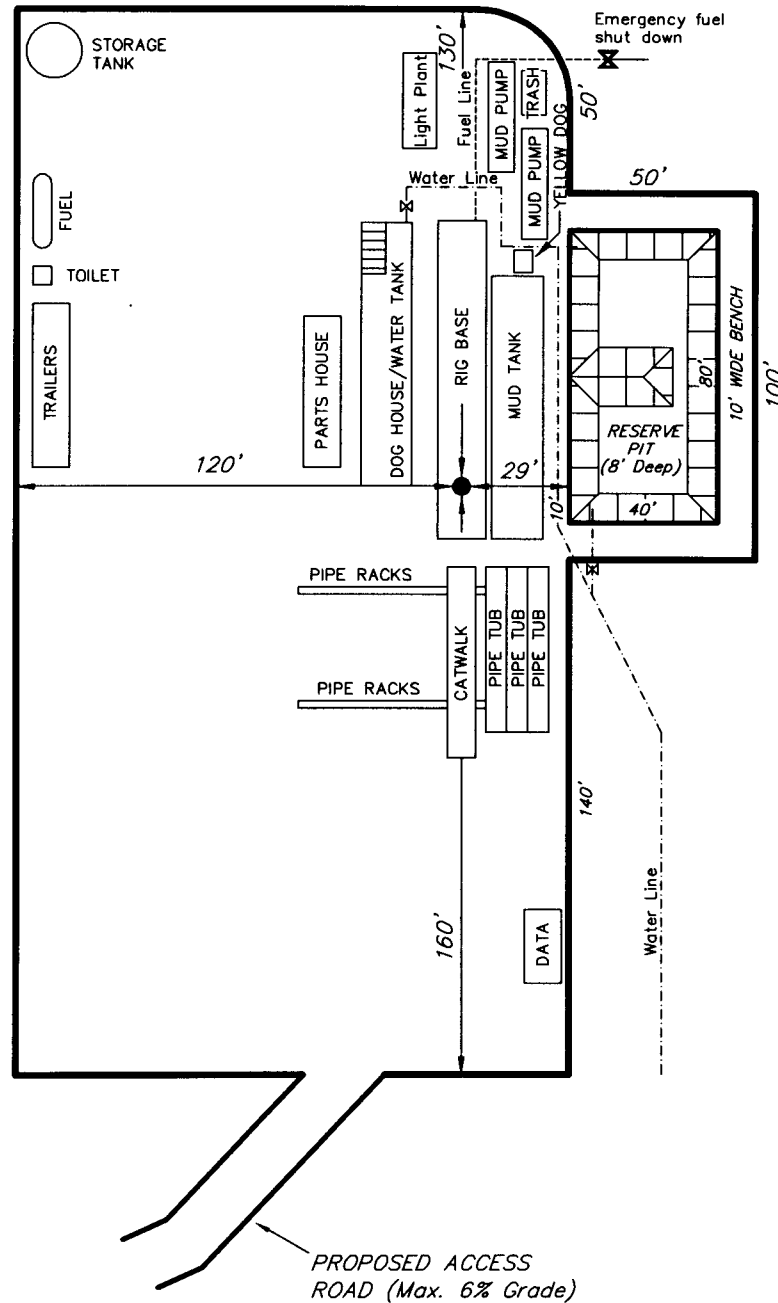
SCALE: 1" = 50'

DRAWN BY: M.W.

DATE: 2-24-06

Tri State
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 (435) 781-2501

NEWFIELD PRODUCTION COMPANY
TYPICAL RIG LAYOUT
9 MILE 12-19-9-16



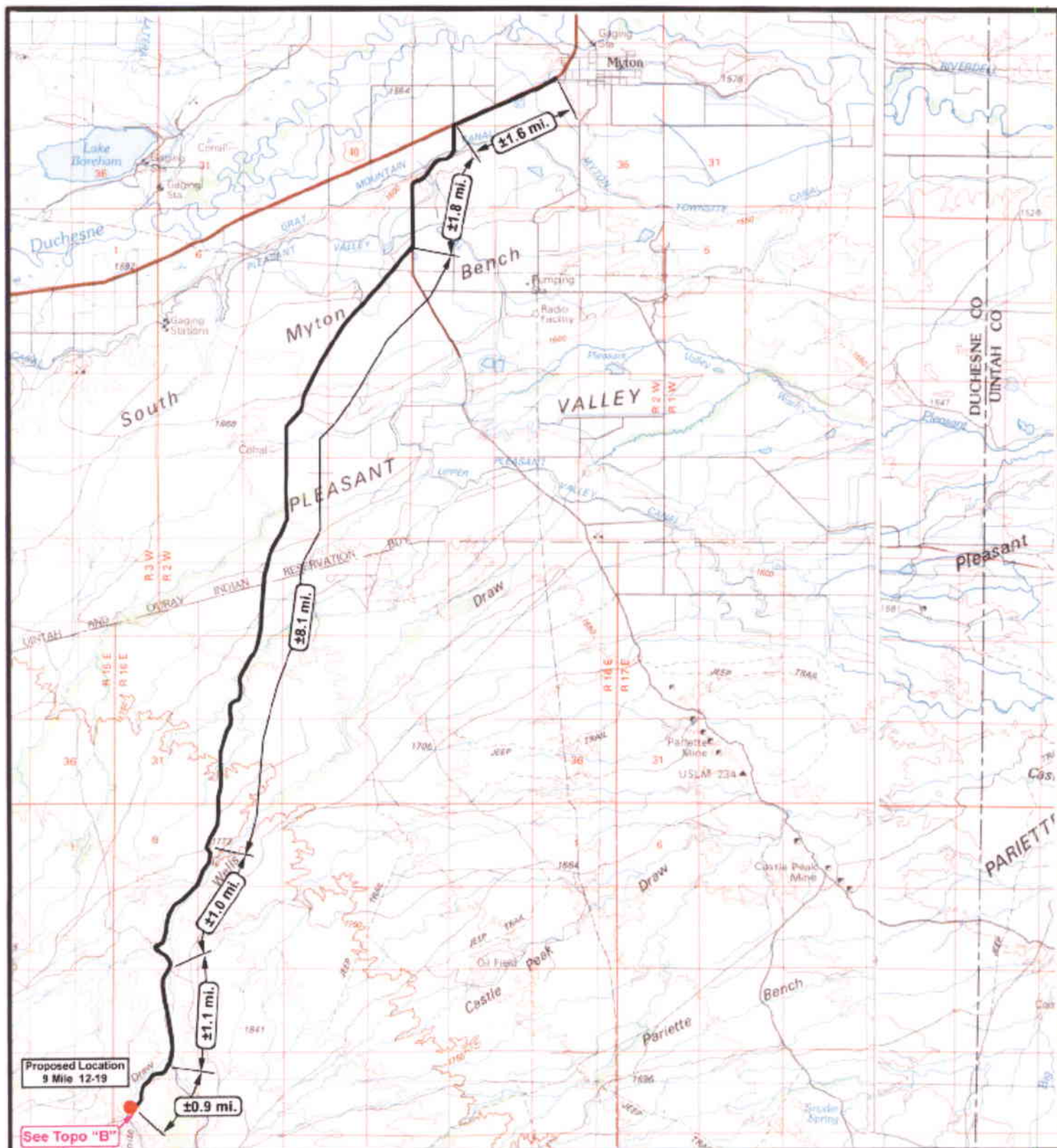
SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: M.W.

DATE: 2-24-06

Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 (435) 781-2501




NEWFIELD
Exploration Company

9 Mile 12-19-9-16
SEC. 19, T9S, R16E, S.L.B.&M.




Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave., Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 02-27-2006




Legend

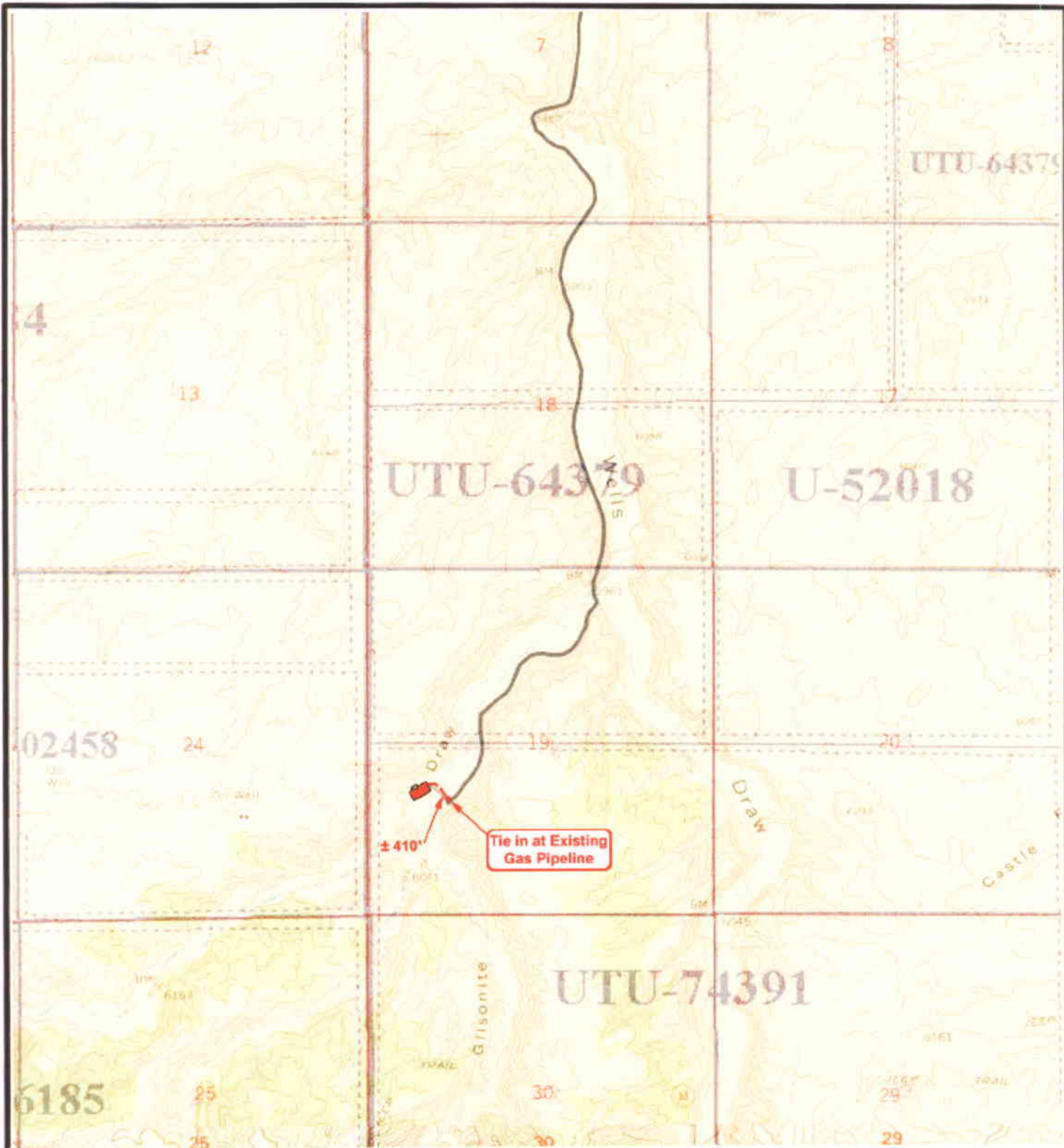
— Existing Road
— Proposed Access

TOPOGRAPHIC MAP

"A"



 <p>NEWFIELD Exploration Company</p>		 <p>Tri-State Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p>	<p>Legend</p> <p>Existing Road</p> <p>Proposed Access</p>
<p>9 Mile 12-19-9-16 SEC. 19, T9S, R16E, S.L.B.&M.</p>		<p>SCALE: 1" = 2000'</p> <p>DRAWN BY: mw</p> <p>DATE: 02-27-2006</p>	<p>TOPOGRAPHIC MAP</p> <p>"B"</p>



NEWFIELD
Exploration Company

9 Mile 12-19-9-16
SEC. 19, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.

(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: mw

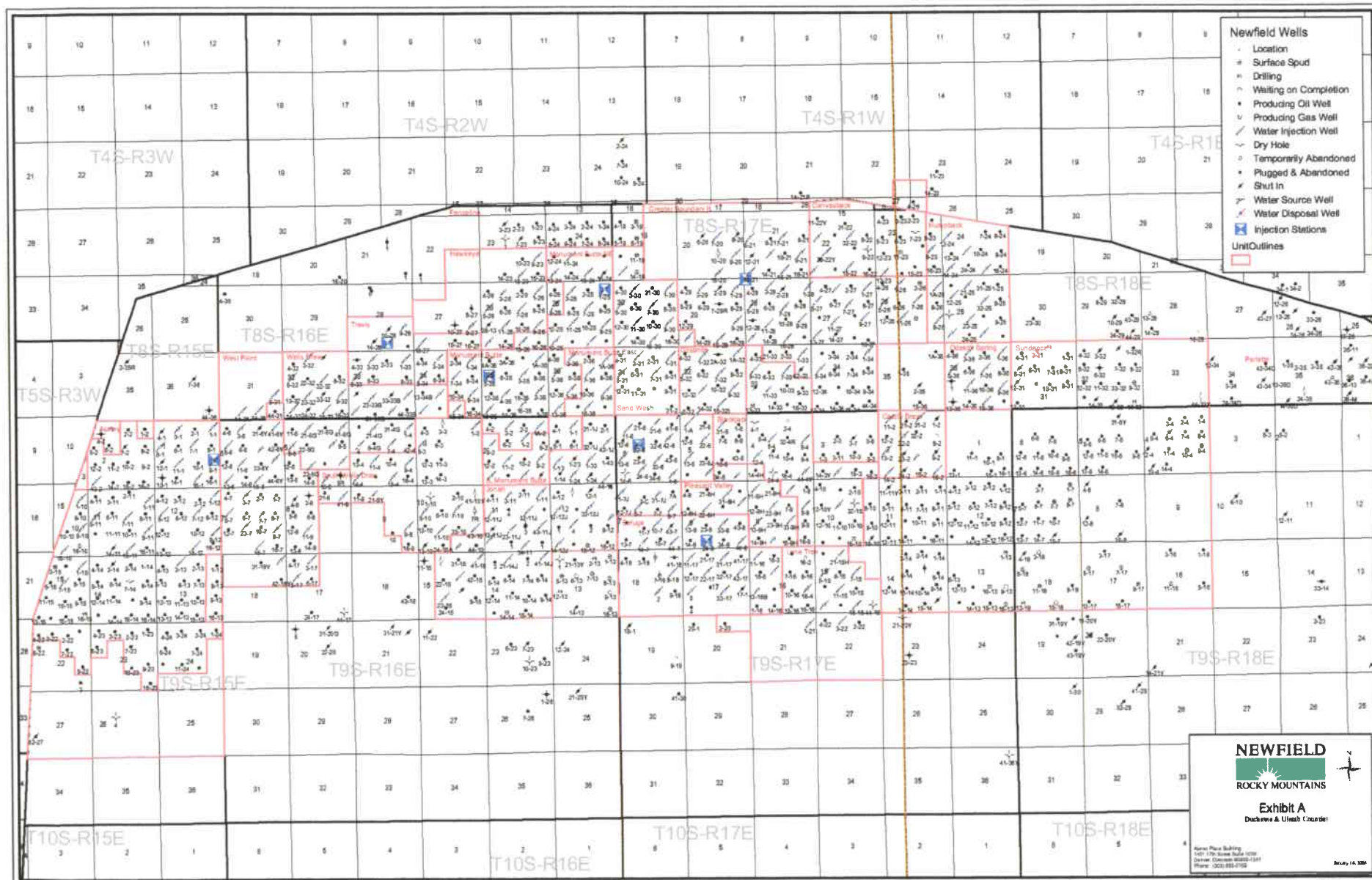
DATE: 02-27-2006

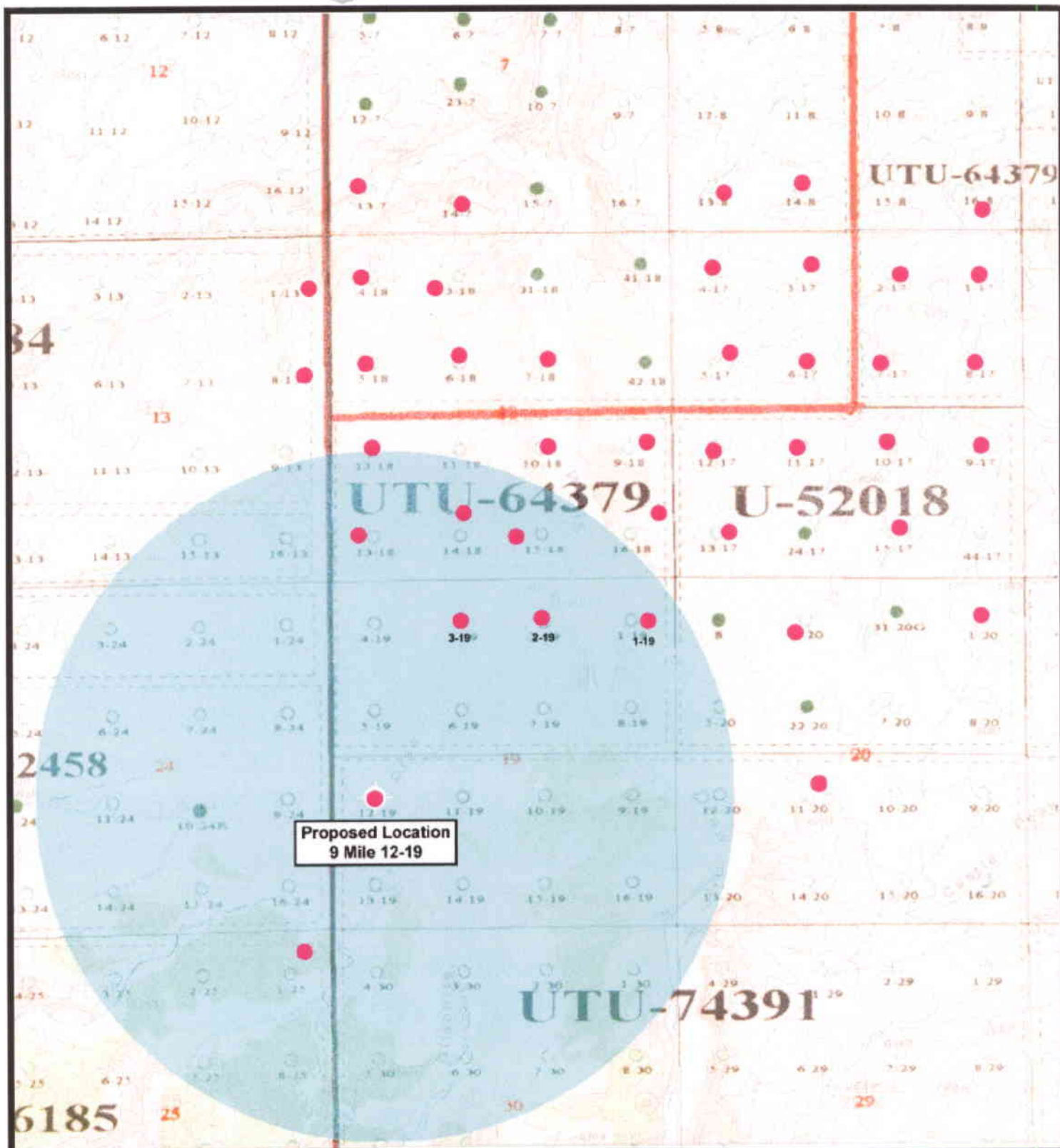
Legend

— Roads
- - - Proposed Gas Line

TOPOGRAPHIC MAP

"C"





Proposed Location
9 Mile 12-19



NEWFIELD
Exploration Company

9 Mile 12-19-9-16
SEC. 19, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 02-27-2006

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

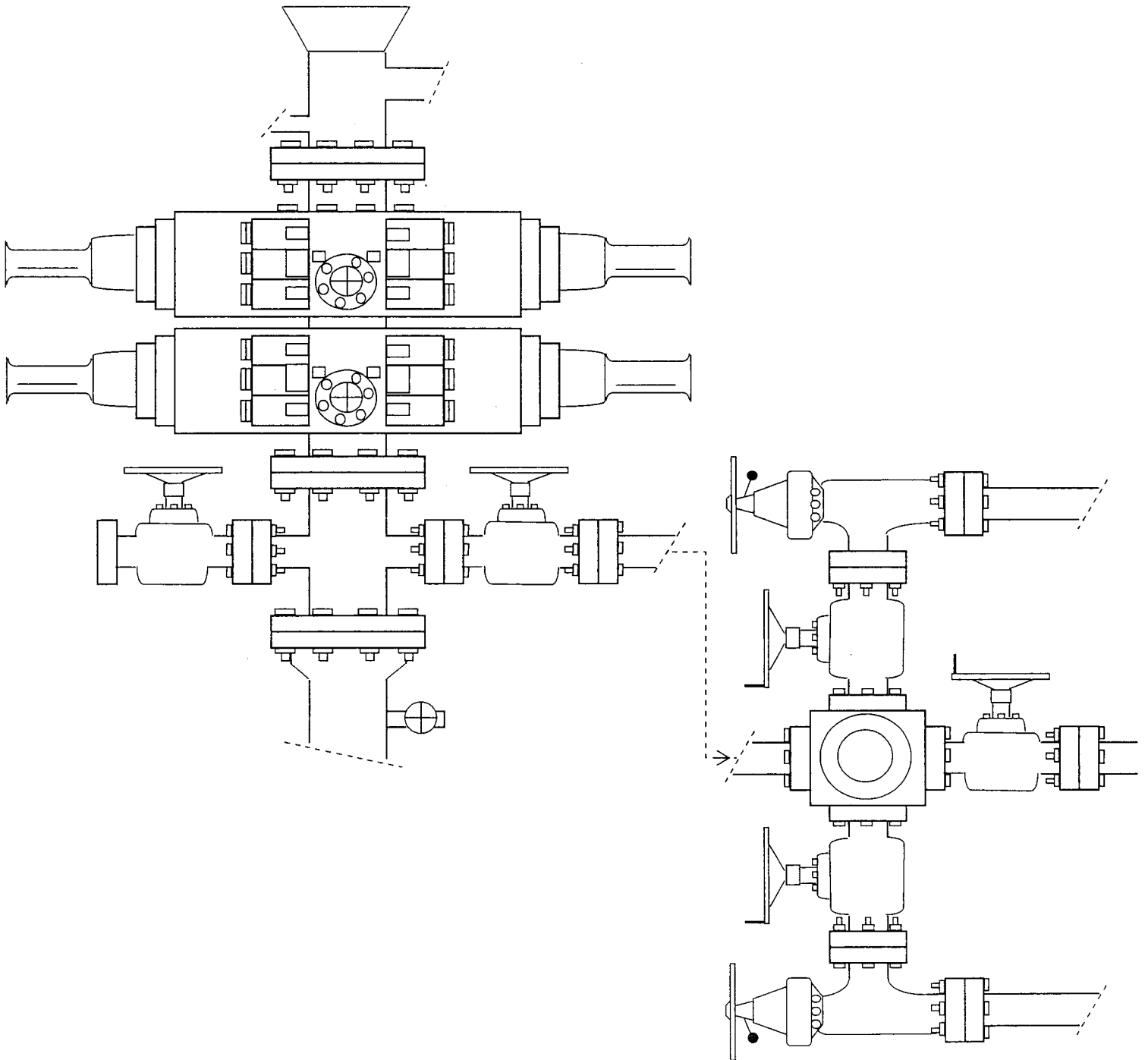


EXHIBIT C

Exhibit "D"
page 1 of 2

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S BLOCK PARCEL
IN TOWNSHIP 9S, RANGE 16E, SECTION 19 AND 20,
DUCHESNE COUNTY, UTAH

By:

Shari Maria Silverman

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 05-225

July 13, 2005

United States Department of Interior (FLPMA)
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-05-MQ-0668b

NEWFIELD PRODUCTION COMPANY

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE COUNTY, UTAH**

Section 8, T 9 S, R 16 E [SW 1/4 & SE 1/4, NE 1/4; and SE 1/4]; Section 17, T 9 S, R 16 E [NE 1/4; NE 1/4, NW 1/4 & SW 1/4, SE 1/4; NE 1/4, NW 1/4, & SW 1/4, SW 1/4]; Section 19, T 9 S, R 16 E [entire section]; Section 20, T 9 S, R 16 E [excluding NW 1/4, NE 1/4; and NW 1/4 & SE 1/4, NW 1/4]; Section 21, T 9 S, R 16 E [excluding NE 1/4 & NW 1/4, NE 1/4]

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
November 10, 2005

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/21/2006

API NO. ASSIGNED: 43-013-33102

WELL NAME: FEDERAL 12-19-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSW 19 090S 160E

SURFACE: 1903 FSL 0791 FWL

BOTTOM: 1903 FSL 0791 FWL

COUNTY: DUCHESNE

LATITUDE: 40.01449 LONGITUDE: -110.1676

UTM SURF EASTINGS: 571041 NORTHINGS: 4429487

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74391

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

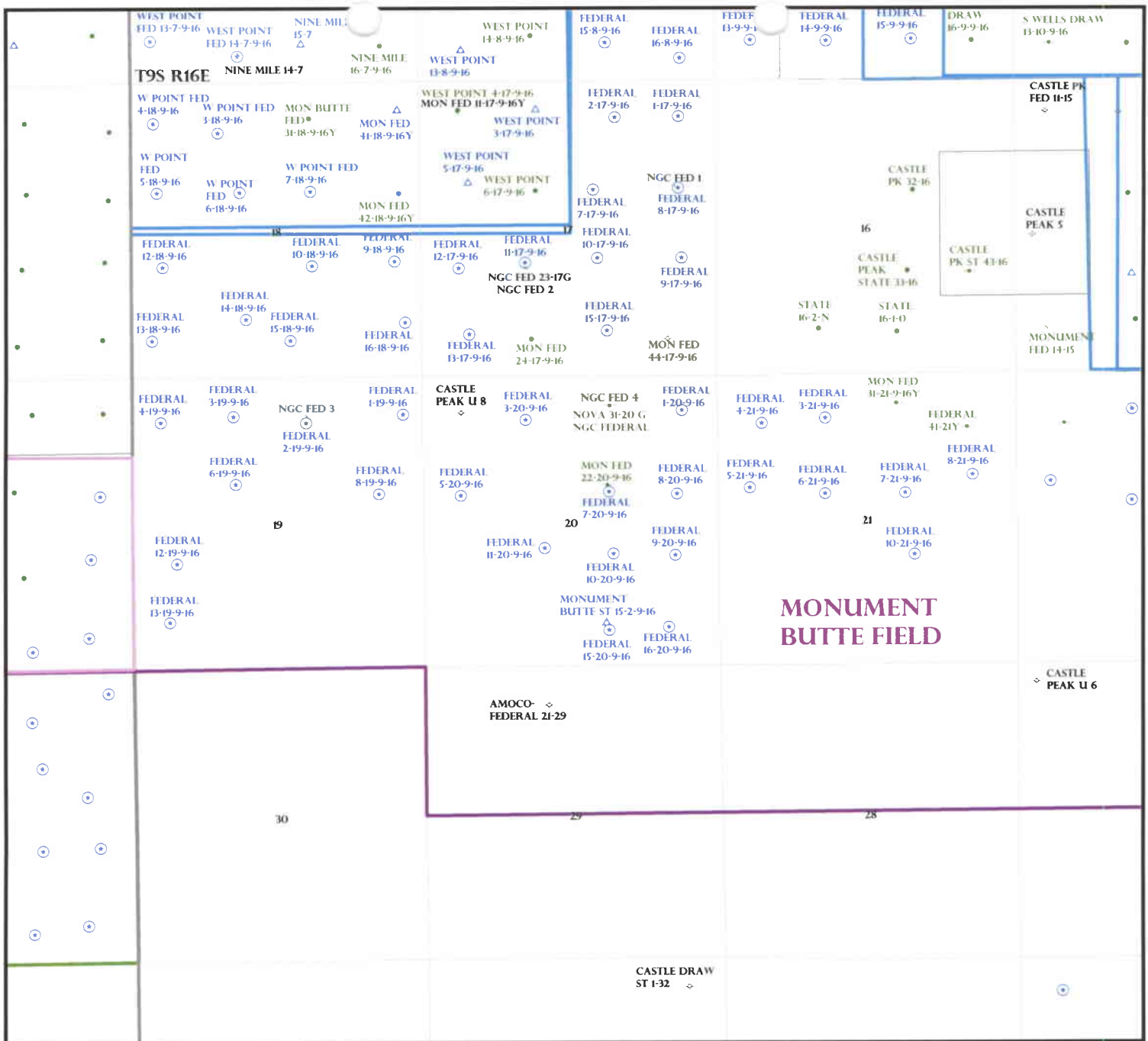
 R649-2-3.
Unit: _____
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
 R649-3-3. Exception
 Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
 R649-3-11. Directional Drill

COMMENTS: _____

Sep, Separate file

STIPULATIONS: _____

*1- Federal Approval
2- Spacing Strip*



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 19,20,21 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

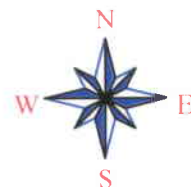
COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Field Status
 [Black Box] ABANDONED
 [Green Box] ACTIVE
 [Pink Box] COMBINED
 [Purple Box] INACTIVE
 [Blue Box] PROPOSED
 [Orange Box] STORAGE
 [White Box] TERMINATED

Unit Status
 [White Box] EXPLORATORY
 [White Box] GAS STORAGE
 [White Box] NF PP OIL
 [White Box] NF SECONDARY
 [White Box] PENDING
 [Green Box] PI OIL
 [Red Box] PP GAS
 [Red Box] PP GEOTHERML
 [Green Box] PP OIL
 [Blue Box] SECONDARY
 [White Box] TERMINATED

Wells Status
 [Green Arrow] GAS INJECTION
 [Pink Arrow] GAS STORAGE
 [X] LOCATION ABANDONED
 [Diamond] NEW LOCATION
 [Diamond with X] PLUGGED & ABANDONED
 [Green Circle] PRODUCING GAS
 [Green Circle] PRODUCING OIL
 [Green Circle] SHUT-IN GAS
 [Green Circle] SHUT-IN OIL
 [X] TEMP. ABANDONED
 [Circle] TEST WELL
 [Blue Triangle] WATER INJECTION
 [Blue Circle] WATER SUPPLY
 [Blue Circle] WATER DISPOSAL
 [Red Circle] DRILLING



PREPARED BY: DIANA WHITNEY
 DATE: 24-MARCH-2006



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

March 27, 2006

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Federal 12-19-9-16 Well, 1903' FSL, 791' FWL, NW SW, Sec. 19, T. 9 South,
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33102.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company
Well Name & Number Federal 12-19-9-16
API Number: 43-013-33102
Lease: UTU-74391

Location: NW SW **Sec.** 19 **T.** 9 South **R.** 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

RECEIVED

MAR 21 2006

BLM VERNAL, UTAH

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

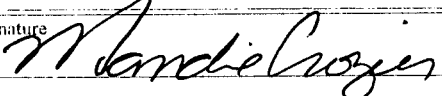
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		5. Lease Serial No. UTU-74391	
2. Name of Operator Newfield Production Company		6. If Indian, Allottee or Tribe Name N/A	
3a. Address Route #3 Box 3630, Myton UT 84052		7. If Unit or CA Agreement, Name and No. N/A	
3b. Phone No. (include area code) (435) 646-3721		8. Lease Name and Well No. Federal 12-19-9-16	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 1903' FSL 791' FEL At proposed prod. zone		9. API Well No. 43-013-33102	
14. Distance in miles and direction from nearest town or post office* Approximatley 14.5 miles southwest of Myton, Utah		10. Field and Pool, or Exploratory Monument Butte	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 737' f/lse, NA' f/unit		11. Sec., T., R., M., or Blk. and Survey or Area NW/SW Sec. 19, T9S R16E	
16. No. of Acres in lease 2139.50		12. County or Parish Duchesne	
17. Spacing Unit dedicated to this well 40 Acres		13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1190'		19. Proposed Depth 5760'	
20. BLM/BIA Bond No. on file UTB000192		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6024' GL	
22. Approximate date work will start* 2nd Quarter 2006		23. Estimated duration Approximately seven (7) days from start to no release.	

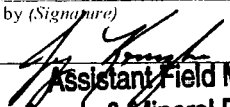
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/17/06
---	--	-----------------

Title
Regulatory Specialist

Approved by (Signature) 	Name (Printed/Typed) Terry Kewerka	Date 2-15-2007
---	---------------------------------------	-------------------

Title
Assistant Field Manager
Lands & Mineral Resources

Office
VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

FEB 26 2007 NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

UDOGM

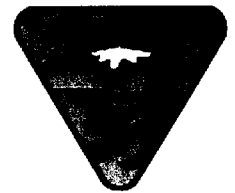
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07BM4683A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Federal 12-19-9-16
API No: 43-013-33102

Location: NWSW, Sec 19, T9S, R16E
Lease No: UTU-74391
Agreement: N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Chuck Macdonald	Office: 435-781-4441	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Verlyn Pindell	Office: 435-781-3402	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

- | | |
|---|--|
| Location Construction
(Notify Chuck Macdonald) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion
(Notify Chuck Macdonald) | - Prior to moving on the drilling rig. |
| Spud Notice
(Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing
(Notify Jamie Sparger) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests
(Notify Jamie Sparger) | - Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice
(Notify Petroleum Engineer) | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

LEASE STIPULATIONS AND NOTICES

- Adhere to Executive Order 5327 of April 15, 1930, stipulations for lands in oil shale withdrawal.
- Lands in this lease have been identified as potential Antelope and Sage grouse habitat. However, Wildlife Biologist did not observe any animals or leks/nest sites in the area. The nearest lek observed was approximately 1.70 miles away. Modifications to the Surface Use Plan of Operations may be required in order to protect the Antelope and Sage grouse habitats from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2. But due to lack of leks and sites in the area, it is anticipated that the development of this specific oil well will have no impact to Sage grouse and Antelope.
- Timing Limitations – No stipulations

CONDITIONS OF APPROVAL

- This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed August 24, 2005. If the well has not been spudded by August 24, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- As per Alternative A in 'Environmental Impact Statement and Record of Decision, Castle Peak and Eightmile Flat Oil and Gas Expansion Project Newfield Rocky Mountain Inc.', no wells will be constructed within 200 feet of a floodplain and stream channels.
- Recommendation made during onsite to move location of this well 199 feet in the south east direction is reinforced.
- Right of way (ROW) will not be required.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If

such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.

- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The following seed mix (PLS formula) will be used for interim reclamation:

Crested Wheatgrass (<i>Agropyron cristatum</i>)	4 lbs/acre
Needle and Thread Grass (<i>Stipa comata</i>)	4 lbs/acre
Indian Rice Grass (<i>Oryzopsis hymenoides</i>)	4 lbs/acre

 - Rates are set for drill seeding; double the rate if broadcasting.
 - Reseeding may be required if initial seeding is not successful.
- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.

- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- Operator shall notify any active gilsonite mining operation within 2 miles of the location 48 hours prior to any blasting during construction for this well.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. A variance is granted for O.O. #2 III. E. 1.
 - a. The blooie line shall be straight or have targeted tees for bends in the line.
 - b. Not requiring an automatic igniter or continuous pilot on the blooie line.
2. Run a cement bond log from TD to the base of the surface casing shoe.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

Cement baskets shall not be run on surface casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
7. The lessee/operator must report encounters of all non oil and gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys,

sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address, and telephone number.
 - b. Well name and number.
 - c. Well location ($\frac{1}{4}$ Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

- f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - g. Unit agreement and / or participating area name and number, if applicable.
 - h. Communitization agreement number, if applicable.
- 15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-74391

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

FEDERAL 12-19-9-16

9. API Well No.

43-013-33102

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1903 FSL 791 BEL NW/SW Section 19, T9S R16E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Permit Extension**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/27/06 (expiration 3/27/07).

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 03-12-07
By: [Signature]

RECEIVED
MAR 09 2007

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Mandie Crozier
Mandie Crozier

Title

Regulatory Specialist

Date

3/5/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33102
Well Name: Federal 12-19-9-16
Location: NW/SW Section 19, T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 3/27/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

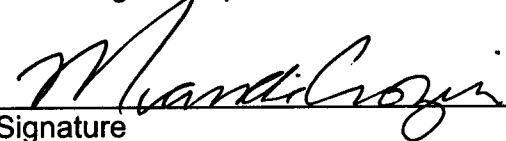
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

3/5/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

MAR 09 2007

DIV. OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 12-19-9-16

Api No: 43-013-33102 Lease Type: FEDERAL

Section 19 Township 09S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 05/04/07

Time 4:00 PM

How DRY

Drilling will Commence: _____

Reported by TROY ZUFEIT

Telephone # (435) 828-6013

Date 05/07/07 Signed CHD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. USA UTU-74391
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone (include area code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1903 FSL 791 FWL NWSW Section 19 T9S R16E		8. Well Name and No. FEDERAL 12-19-9-16
		9. API Well No. 4301333102
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5/4/2007 MIRU NDSI NS # 1. Spud well @ 4:00 PM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 324.08' KB On 5/6/2007 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 3 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Troy Zufelt

Signature

Title

Drilling Foreman

Date

05/06/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

MAY 08 2007

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 324.08

LAST CASING 8 5/8" set @ 324.08
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 320 LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL Federal 12-19-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 44.65'						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	312.23	
		GUIDE shoe			8rd	A	0.9	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				314.08
TOTAL LENGTH OF STRING		314.08	7	LESS CUT OFF PIECE				2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH				324.08
TOTAL		312.23	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		312.23	7					
TIMING		1ST STAGE						
BEGIN RUN CSG.		Spud	5/4/2007	4:00 PM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE			5/5/2007	7:30 AM	Bbls CMT CIRC TO SURFACE			3
BEGIN CIRC			5/6/2007	8:15 AM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT			5/6/2007	8:54 AM				
BEGIN DSPL. CMT			5/6/2007	9:06 AM	BUMPED PLUG TO			120 PSI
PLUG DOWN			5/6/2007	9:16 AM				
CEMENT USED		CEMENT COMPANY- B. J.						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3								

COMPANY REPRESENTATIVE Troy Zufelt DATE 5/6/2007

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MAYTON, UT 84062

OPERATOR ACCT. NO. N2686

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	13269	4301332917	S WELLS DRW 7-9-9-16	SWNE	9	9S	16E	DUCHESNE	5/3/2007	5/10/07
WELL 1 COMMENTS: GRU											
A	99999	16094	4301333102	FEDERAL 12-19-9-16	NWSW	19	9S	16E	DUCHESNE	5/5/2007	5/10/07
GRU											
WELL 5 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (please be consistent)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

MAY 10 2007

DIV. OF OIL, GAS & MINING

Signature _____
Production Clerk _____
Date April 18, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
USA UTU-74391

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.
FEDERAL 12-19-9-16

9. API Well No.
4301333102

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT



1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1903 FSL 791 FWL
NWSW Section 19 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 5/10/2007 MIRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 268'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5,960'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 131 jt's of 5.5 J-55, 15.5# csgn. Set @ 5944.09' / KB. Cement with 325sks cement mixed @ 11.0 ppg & 3.49 yld. The 451sks cement mixed @ 14.4 ppg & 1.24 yld. With 40 bbls returned to pit. Nipple down Bop's. Drop slips @ 84,000 #'s tension. Release rig 6:30 pm on 5/15/2007.

I hereby certify that the foregoing is true and
correct (Printed/ Typed)

Troy Zufelt

Signature

Title

Drilling Supervisor

Date

05/15/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

MAY 18 2007

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

<p style="text-align: center;"><u>5 1/2"</u> CASING SET AT <u>5744.09</u></p> <p>LAST CASING 8 5/8" Set @ <u>324.08</u></p> <p>DATUM <u>12' KB</u></p> <p>DATUM TO CUT OFF CASING <u>12'</u></p> <p>DATUM TO BRADENHEAD FLANGE _____</p> <p>TD DRILLER <u>5760'</u> TD loggers <u>5745'</u></p> <p>HOLE SIZE <u>7 7/8"</u></p>	<p>Fit cllr @ <u>5735.84</u></p> <p>OPERATOR <u>Newfield Production Company</u></p> <p>WELL <u>Federal 12-19-9-16</u></p> <p>FIELD/PROSPECT <u>Monument Butte</u></p> <p>CONTRACTOR & RIG # <u>Patterson-UTI Rig # 155</u></p>
--	--

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Landing Jt					14	
		Short jt 5.97' @ 3733.47'						
130	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5721.84	
							0.6	
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	20	
		GUIDE shoe			8rd	A	0.65	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				5757.09
TOTAL LENGTH OF STRING		5757.09	131	LESS CUT OFF PIECE				25
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG				12
PLUS FULL JTS. LEFT OUT		356.15	8	CASING SET DEPTH				5744.09
TOTAL		6097.99	139	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		6097.99	139					
TIMING		1ST STAGE	2nd STAGE					
BEGIN RUN CSG.		5/15/2007	6:30 AM	GOOD CIRC THRU JOB		YES		
CSG. IN HOLE		5/15/2007	9:30 AM	Bbls CMT CIRC to surface		40		
BEGIN CIRC		5/15/2007	9:45 AM	RECIPROCATED PIPE FOR		THRUSTROKE		
BEGIN PUMP CMT		5/15/2007	12:13 PM	DID BACK PRES. VALVE HOLD ?		YES		
BEGIN DSPL. CMT		5/15/2007	1:08 PM	BUMPED PLUG TO		1500 PSI		
PLUG DOWN		5/15/2007	1:35 PM					
CEMENT USED		CEMENT COMPANY- B. J.						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	325	Premlite II w/ 10% gel + 3 % KCL, 5#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake						
		mixed @ 11.0 ppg W / 3.49 cf/sk yield						
2	451	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.								

COMPANY REPRESENTATIVE Troy Zufelt DATE 5/15/2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1903 FSL 791 FWL
NWSW Section 19 T9S R16E

5. Lease Serial No.

USA UTU-74391

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 12-19-9-16

9. API Well No.

4301333102

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
JUN 15 2007
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and
correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

06/14/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-74391

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:
FEDERAL 12-19-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333102

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1903 FSL 791 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSW, 19, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 07/02/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 06/13/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 07/02/2007

(This space for State use only)

RECEIVED

JUL 11 2007

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 12-19-9-16**4/1/2007 To 8/30/2007****6/4/2007 Day: 1****Completion**

Rigless on 6/3/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5672' & cement top @ sfc. Perforate stage #1 W/ 3 1/8" slick gun as follows: A1 sds @ 4764-74' W/ 4 JSPF. RDWLT. SIFN W/ est 136 BWTR.

6/7/2007 Day: 2**Completion**

Rigless on 6/6/2007 - RU BJ Services. 0 psi on well. Frac A1 sds w/ 49,572#'s of 20/40 sand in 420 bbls of Lightning 17 fluid. Broke @ 2764 psi. Treated w/ ave pressure of 2181 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2446 psi. Leave pressure on well. 556 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 5' & 5' perf gun. Set plug @ 4710'. Perforate B2 sds @ 4636- 41', B1 sds @ 4584-89' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots (2 runs due to misrun). RU BJ Services. 220 psi on well. Frac B1 & B2 sds w/ 14,528#'s of 20/40 sand in 232 bbls of Lightning 17 fluid. Broke @ 4100 psi. Treated w/ ave pressure of 2162 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1790 psi. Leave pressure on well. 788 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 17' perf gun. Set plug @ 4570'. Perforate C sds @ 4525-42' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 68 shots. RU BJ Services. 390 psi on well. Frac C sds w/ 99,094#'s of 20/40 sand in 695 bbls of Lightning 17 fluid. Broke @ 4100 psi. Treated w/ ave pressure of 2017 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2342 psi. Leave pressure on well. 1483 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 14' perf gun. Set plug @ 4480'. Perforate D1 sds @ 4372- 86' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 56 shots. RU BJ Services. 476 psi on well. Frac D1 sds w/ 93,828#'s of 20/40 sand in 683 bbls of Lightning 17 fluid. Broke @ 3492 psi. Treated w/ ave pressure of 1800 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2241 psi. Leave pressure on well. 2166 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 10' perf gun. Set plug @ 4350'. Sand stuck WL while setting plug. Pulled off WL. 3 1/8" fish top @ 4324'. Decision was made to run in hole w/ 9' perf gun & perforate DS3 sds @ 4304.5- 13.5' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 36 shots. RU BJ Services. 219 psi on well. Frac DS3 sds w/ 17,586#'s of 20/40 sand in 243 bbls of Lightning 17 fluid. Broke @ 3910 psi. Treated w/ ave pressure of 2345 psi @ ave rate of 24.7 BPM. ISIP 2607 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 1 hr & died. Rec. 60 BTF. SIWFN w/ 2349 BWTR.

6/8/2007 Day: 3**Completion**

NC #3 on 6/7/2007 - MIRUSU. ND frac head & BOP. NU production head & BOP. RU rig floor. X- over to tbq eq. SDFD @ 5:30.

6/9/2007 Day: 4**Completion**

NC #3 on 6/8/2007 - PU TIH w/ overshot, jars, bumper sub, & 133- jts 2 7/8. Clean out fill to fish top @ 4324'. Latch onto fish & attempt to work loose. No luck. Release overshot from fish top. TOH w/ 135- jts 2 7/8, & BHA. SDFD @ 6:00.

6/12/2007 Day: 5**Completion**

NC #3 on 6/11/2007 - PU TIH w/ 1- jt washover pipe & 134- jts 2 7/8. RU 4-Star power swivel. Washover fish to 4358'. CWC. TOH w/ 135- jts 2 7/8, W/O pipe. PU TIH w/ overshot, jars, bumper sub, & 135- jts 2 7/8. Latch onto fish top. TOH w/ tbg & BHA. No fish. Replace grapple & TIH w/ overshot, jar, bumper sub, & 135- jts 2 7/8. Latch onto fish top. TOH w/ tbg, BHA, & fish. PU TIH w/ 4 3/4 chomp bit, & 130- jts 2 7/8. EOT @ 4160'. SDFD @ 6:30.

6/13/2007 Day: 6**Completion**

NC #3 on 6/12/2007 - TIH w/ 6- jts 2 7/8. Tag fill @ 4345'. Clean out fill & drill out Plg @ 4350'. TIH w/ tbg to fill @ 4360'. Clean out fill & drill out Plg @ 4480'. TIH w/ tbg to fill @ 4490'. Clean out fill & drill out Plg @ 4570'. TIH w/ tbg to fill @ 4650'. Clean out fill & drill out Plg @ 4710'. TIH w/ tbg to fill @ 5587'. Clean out fill to PBTD @ 5710'. CWC. LD 3- jts 2 7/8. EOT @ 5618'. RU sandline to swab. IFL @ surface. Made 13 swab runs. Recovered 150 bbls water w/ trace oil & no sand. FFL @ 2300'. RD sandline. TIH w/ 3- jts 2 7/8 to PBTD @ 5710'. No new fill. CWC. LD 28- jts 2 7/8. TOH w/ 110- jts 2 7/8. SDFD @ 6:30.

6/14/2007 Day: 7**Completion**

NC #3 on 6/13/2007 - RU rig pump & CWC. Cont TOH w/ 2 7/8 tbg, & chomp bit. PU TIH w/ NC, 2- jts 2 7/8, SN, 1- jt 2 7/8, TA, 148- jts 2 7/8. RD rig floor. ND BOP. Set TA w/ 15000 tension. NU wellhead. X- over to rod eq. Flush tbg w/ 60 bbls water. PU TIH w/ 2 1/2 x 1 1/2 x 20 x 20 RHAC, 6- 1 1/2 wt bars, 10- 3/4 guided rods, 75- 3/4 plain rods, 98- 3/4 guided rods, 8', 6', x 3/4 pony rods, 1 1/2 x 26' polish rod. RU pumping unit. W/ tbg full stroke test rod pump to 800 psi. Good test. RDMOSU @ 7:30. POP @ 7:30 W/ 102" SL 5 SPM FINAL REPORT!!

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other _____

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface 1903' FSL & 791' FFL (NW/SW) Sec. 19, T9S, R16E

At top prod. Interval reported below

W

At total depth

14. API NO.

43-013-33102

DATE ISSUED

03/27/07

9. WELL NO.

43-013-33102

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 19, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUNDED

05/04/07

16. DATE T.D. REACHED

05/14/07

17. DATE COMPL. (Ready to prod.)

06/13/07

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6024' GL

19. ELEV. CASINGHEAD

6036' KB

20. TOTAL DEPTH, MD & TVD

5760'

21. PLUG BACK T.D., MD & TVD

5710'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River 4304'-4774'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	324'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5744'	7-7/8"	325 sx Premlite II and 451 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 4835'	TA @ 4737'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A1) 4764'-4774'	.49"	4/40	4764'-4774'	Frac w/ 49,572# 20/40 sand in 420 bbls fluid
(B2 & 1) 4636'-4641', 4584'-4589'	.49"	4/40	4584'-4641'	Frac w/ 14,528# 20/40 sand in 232 bbls fluid
(C) 4525'-4542'	.49"	4/68	4525'-4542'	Frac w/ 99,094# 20/40 sand in 695 bbls fluid
(D1) 4372'-4386'	.49"	4/56	4372'-4386'	Frac w/ 93,828# 20/40 sand in 683 bbls fluid
(DS3) 4304.5'-4313.5'	.49"	4/36	4304.5'-4313.5'	Frac w/ 17,586# 20/40 sand in 243 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION 06/13/07		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 20' x 20RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 172	GAS--MCF. 61	WATER--BBL. 57		GAS-OIL RATIO 355
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS-MCF.		WATER--BBL.		OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

DIV. OF OIL, GAS & MINING

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Clerk

DATE

7/3/2007

JP

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name West Point 12-19-9-16	Garden Gulch Mkr	3353'	
				Garden Gulch 1	3580'	
				Garden Gulch 2	3684'	
				Point 3 Mkr	3932'	
				X Mkr	4199'	
				Y-Mkr	4230'	
				Douglas Creek Mkr	4340'	
				BiCarbonate Mkr	4550'	
				B Limestone Mkr	4666'	
				Castle Peak	5231'	
				Basal Carbonate	5673'	
				Total Depth (LOGGERS)	5745'	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 12-19-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1903 FSL 0791 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 19 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013331020000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/21/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; margin-top: 20px;"> The above reference well was put on injection at 1:45 PM on 04/21/2014. </div> <div style="text-align: right; margin-top: 20px;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 22, 2014 </div>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 12/18/2014	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

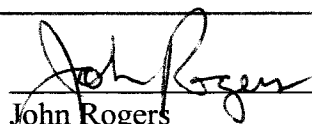
Cause No. UIC-415.9

Operator: Newfield Production Company
Well: Federal 12-19-9-16
Location: Section 19, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33102
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 12, 2014.
2. Maximum Allowable Injection Pressure: 1,760 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,682' – 5,710')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:


John Rogers
Associate Director

4/14/2014
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File


N:\O&G Reviewed Docs\ChronFile\UIC



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: FEDERAL 12-19-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013331020000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1903 FSL 0791 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 19 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/25/2014 <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> DRILLING REPORT Report Date: <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER: New Perforation	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The subject well has been converted from a producing oil well to an injection well on 03/25/2014. New interval perforated, GB4 sands - 3842-3852' 3 JSPF. On 03/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/25/2014 the casing was pressured up to 1687 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 180 psig during the test. There was an State representative available to witness the test - Chris Jensen.		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician DATE 3/31/2014

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: April 02, 2014

By: 

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness:

Chris Jensen

Date 3/25/14

Time 11:50

am pm

Test Conducted by:

Troy Lorenby

Others Present:

Britt Jensen

Well: Federal 12-19-9-16

Field:

Well Location: 100 NW/4 SW Sec. 19, T9S, R16E API No: 43-013-33102
Duchesne Co. UT.

Time

Casing Pressure

0 min	<u>1686</u>	psig
5	<u>1686</u>	psig
10	<u>1687</u>	psig
15	<u>1687</u>	psig
20	<u>1687</u>	psig
25	<u>1687</u>	psig
30 min	<u>1687</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure:

180

psig

Result:

Pass

Fail

Signature of Witness:

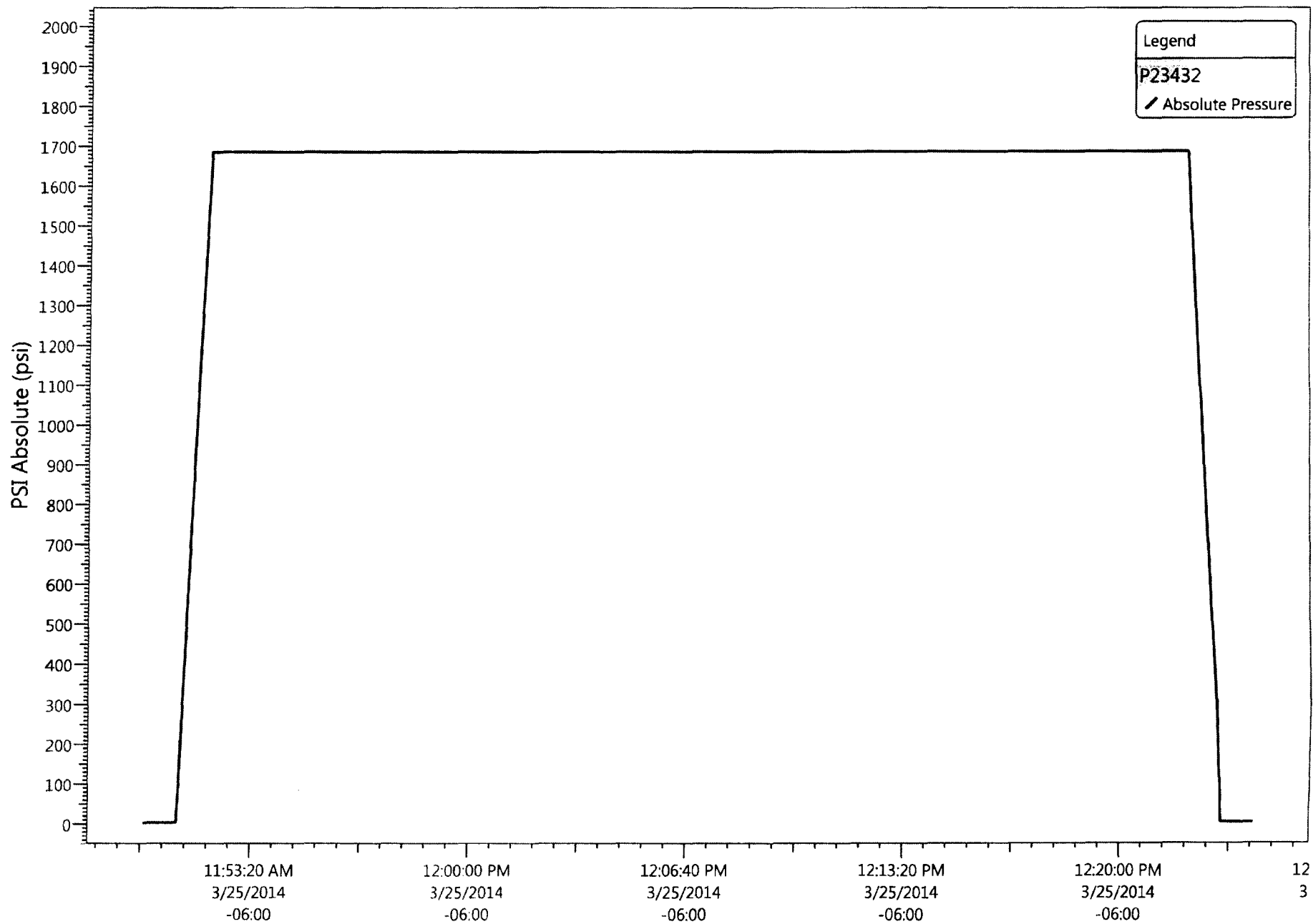
Chris Jensen

Signature of Person Conducting Test:

Troy Lorenby

federal 12-19-9-16 (conversion)

3/25/2014 11:49:04 AM





Job Detail Summary Report

Well Name: Federal 12-19-9-16

Jobs

Primary Job Type Conversion	Job Start Date 3/18/2014	Job End Date 3/24/2014
--------------------------------	-----------------------------	---------------------------

Daily Operations

Report Start Date 3/18/2014	Report End Date 3/19/2014	24hr Activity Summary MIRUSU. Test tbg. LD rods.
Start Time 00:00	End Time 13:00	Comment
Start Time 13:00	End Time 15:00	Comment Held safety meeting & discussed JSA's & location hazards. Shut unit down. MIRUSU. Pump 60 bbls hot water down casing.
Start Time 15:00	End Time 16:00	Comment Unhang head. Unseat pump. Flush rods w/ bbls wtr. Soft seat pump. Test tbg to 3000 psi w/ bbls wtr. Fish rods.
Start Time 16:00	End Time 18:00	Comment TOOH w/ rods Laying them down on trailer. Had to flush w/ 20 bbls half way out.
Start Time 18:00	End Time 19:00	Comment RU sand line & tag fill @ 5620'. 846' of rat hole.
Start Time 19:00	End Time 00:00	Comment
Report Start Date 3/19/2014	Report End Date 3/20/2014	24hr Activity Summary Release TA. RU BOP's. TOOH w/ tbg breaking & doping.
Start Time 00:00	End Time 07:00	Comment
Start Time 07:00	End Time 08:00	Comment Held safety meeting & discussed JSA's & location hazards. Open well w/ 100 psi on casing.
Start Time 08:00	End Time 14:00	Comment Flush tbg w/ 30 bbls water. TA was not set. RU BOP's. TOOH w/ tbg breaking, doping & inspecting every pin. 6 jts on btm & TA show bad wear from TA not being set. Missing 3 springs. Slip die were worn out due to working up & down. LD 26 extra jts tbg from btm of string.
Start Time 14:00	End Time 17:00	Comment RU pump & tanks. RD floor. Ready to RIH w/ CBP in morning.
Start Time 17:00	End Time 00:00	Comment
Report Start Date 3/20/2014	Report End Date 3/21/2014	24hr Activity Summary Set CBP. RU BOP's. Test csg & BOP's. Perf GB4 sds. Break down zone. RU frac crew.
Start Time 00:00	End Time 07:00	Comment
Start Time 07:00	End Time 08:30	Comment Held safety meeting & discussed JSA's & location hazards. RU Perforators LLC WLT & pack-off. RIH w/ "HE" CBP & set @ 3900'.
Start Time 08:30	End Time 10:30	Comment RD rig BOP's & 3k production head. Instal 5k wellhead, single blind rams w/ side port valves, 5k frac valve.
Start Time 10:30	End Time 11:30	Comment Fill casing w/ 100 bbls water. Test casing & BOP's to 4300 psi for 10 min.
Start Time 11:30	End Time 13:00	Comment RU WLT & RIH w/ Disposable 3-1/8 perf run & perforate GB4 sds @ 3842-52' w/ 3 spf for a total of 30 shots.
Start Time 13:00	End Time 14:00	Comment Break down GB4 sds @ 4000 psi back to 1250. Pump 5 bbls @ 1 bpm @ 1400 psi. 1150 ISIP. RD WLT. Well ready to frac in morning.
Start Time 14:00	End Time 00:00	Comment
Report Start Date 3/21/2014	Report End Date 3/22/2014	24hr Activity Summary Frac well. Flow well back. RD frac crew. TIH & retrieve CBP. TOOH w/ tbg. RIH w/ injection BHA.



Job Detail Summary Report

Well Name: Federal 12-19-9-16

Sundry Number: 49326 API Well Number: 43013331020000

Start Time	00:00	End Time	05:00	Comment
Start Time	05:00	End Time	07:00	Comment Held safety meeting & discussed JSA's & location hazards. Finish RU equipment.
Start Time	07:00	End Time	09:00	Comment GB4 sds. Test lines to 6000 psi. Open well w/ 199 psi on casing. Broke @ 1737 psi back to 1520 psi. Take rate to 9 bpm @ 1891 psi. ISIP was 1477 w/ .82FG. Spear head 12 bbls of 15% HCL (rec'd 300 psi drop when hit perms). Treated @ ave pressure of 2034 @ ave rate of 31 bpm w/ 323 bbls of 17# Borate Xlink frac fluid in fresh wtr. Treated w/ 25,120#s of 20/40 white sand @ 5 ppa. ISIP was 1519 w/ .82FG. 5 min was 1406. 10 min was 1355. 15 min was 1311 psi.
Start Time	09:00	End Time	11:00	Comment RD Nabors frac crew. Open well w/ 1275 psi on casing. Well flowed for 1 hour & died w/ bbls rec'd.
Start Time	11:00	End Time	13:00	Comment Instal rig BOP's. RU floor. RU tongues.
Start Time	13:00	End Time	15:00	Comment RU retrieving head. TIH w/ 123 jts tbg. Tag 10' of sand. C/O to CBP @ 3900'. Release plug.
Start Time	15:00	End Time	17:00	Comment TOOH w/ tbg. LD "HE" plug & retrieving head. RU 2-3/8" wireline entry guide, 2-3/8" XN nipple 1.87" ID, 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nipple 1.87" ID, On/Off tool, 2-7/8" SN. TIH w/ 118 jts of used 2-7/8" J -55 tbg.
Start Time	17:00	End Time	19:00	Comment Pump 10 bbls wtr down tbg. Drop srtdin valve. Test tbg to 3000 psi w/ 20 bbls water. Bled off air twice. Left 3000 psi on tbg over weekend.
Start Time	19:00	End Time	00:00	Comment
Report Start Date	3/24/2014	Report End Date	3/25/2014	24hr Activity Summary Test tbg. RD BOP's. Test csg. Run MIT on casing. RDMOSU.
Start Time	00:00	End Time	07:00	Comment
Start Time	07:00	End Time	10:00	Comment Held safety meeting & discussed JSA's & location hazards. Open well w/ 2800 psi on tbg. Bump pressure up to 3000 psi. Good test for 1/2 hour.
Start Time	10:00	End Time	11:30	Comment RU sand line & retrieve standin valve.
Start Time	11:30	End Time	13:30	Comment RD BOP's.
Start Time	13:30	End Time	15:30	Comment Pump 60 bbls packer fluid. Set AS1 pkr @ 3780' w/ CE @ 3783' & EOT @ 3793' in 15,000#s tension. Pressure casing to 1500 psi w/ 30 bbls packer fluid.
Start Time	15:30	End Time	16:30	Comment RU NFX water services & run MIT on casing for 30 min.
Start Time	16:30	End Time	18:30	Comment RDMOSU. Clean location.
Start Time	18:30	End Time	00:00	Comment
Report Start Date	3/25/2014	Report End Date	3/26/2014	24hr Activity Summary Conduct MIT



Job Detail Summary Report

Well Name: Federal 12-19-9-16

Start Time	11:50	End Time	14:20	Comment
				On 03/24/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/25/2014 the casing was pressured up to 1687 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 180 psig during the test. There was a State representative available to witness the test - Chris Jensen.

NEWFIELD**Schematic****Well Name: Federal 12-19-9-16**

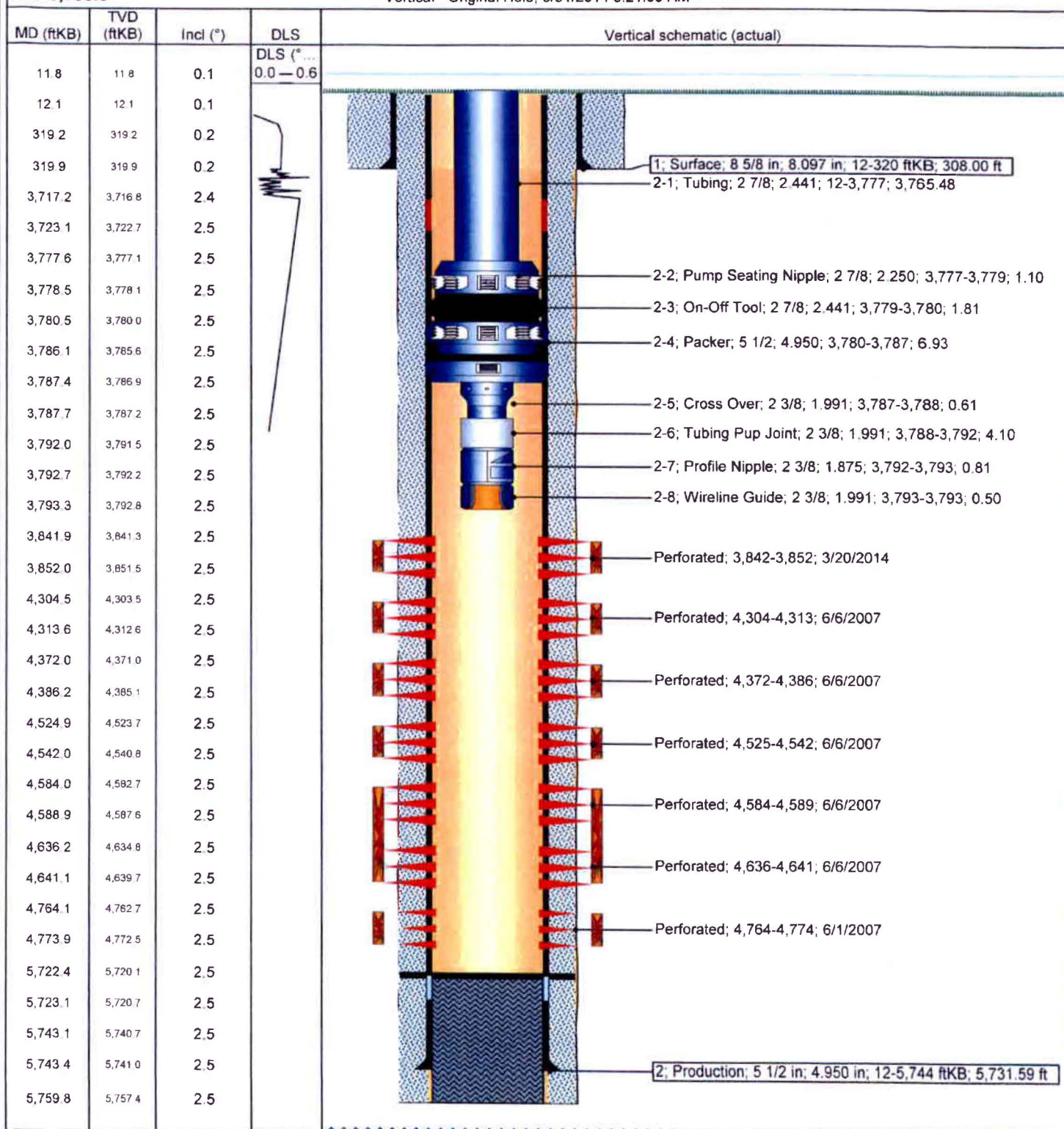
Surface Legal Location 1903' FSL & 791' FWL NWSW SECTION 19-T9S-R16E		API/UWI 43013331020000	Well RC 500158541	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 5/4/2007	Rig Release Date 5/15/2007	On Production Date 6/13/2007	Original KB Elevation (ft) 6,036	Ground Elevation (ft) 6,024	Total Depth All (TVD) (ftKB)	PBD (All) (ftKB) Original Hole - 5,722.4	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 3/18/2014	Job End Date 3/24/2014
---------------------------------------	--------------------------------	---------------------------	-----------------------------	---------------------------

TD: 5,760.0

Vertical - Original Hole, 3/31/2014 8:21:09 AM



NEWFIELD**Newfield Wellbore Diagram Data
Federal 12-19-9-16**

Surface Legal Location 1903' FSL & 791' FWL NWSW SECTION 19-T9S-R16E			API/UWI 43013331020000		Lease
County DUCHESNE		State/Province Utah		Field Name GMBU CTB3	
Well Start Date 5/4/2007		Spud Date 5/4/2007		On Production Date 6/13/2007	
Original KB Elevation (ft) 6,036		Ground Elevation (ft) 6,024		Total Depth All (TVD) (ftKB) 5,760.0	
				P8TD (All) (ftKB) Original Hole - 5,722.4	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	5/4/2007	8 5/8	8.097	24.00	J-55	320
Production	5/15/2007	5 1/2	4.950	15.50	J-55	5,744

Cement**String: Surface, 320ftKB 5/6/2007**

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 320.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 2% CaCL + 1/4# / sk Cello-Flake.		Fluid Type Lead	Amount (sacks) 160	Class G	Estimated Top (ftKB) 12.0

String: Production, 5,744ftKB 5/15/2007

Cementing Company BJ Services Company		Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 5,760.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description 10% gel + 3 % KCL, 5#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake		Fluid Type Lead	Amount (sacks) 325	Class PREMLITE II	Estimated Top (ftKB)
Fluid Description 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM		Fluid Type Tail	Amount (sacks) 451	Class 50:50 POZ	Estimated Top (ftKB)

Tubing Strings

Tubing Description					Run Date	Set Depth (ftKB)		
Tubing					3/21/2014	3,793.3		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	118	2 7/8	2.441	6.50	J-55	3,765.48	12.0	3,777.4
Pump Seating Nipple	1	2 7/8	2.250		N-80	1.10	3,777.4	3,778.5
On-Off Tool	1	2 7/8	2.441			1.81	3,778.5	3,780.4
Packer	1	5 1/2	4.950			6.93	3,780.4	3,787.3
Cross Over	1	2 3/8	1.991			0.61	3,787.3	3,787.9
Tubing Pup Joint	1	2 3/8	1.991	4.70	J-55	4.10	3,787.9	3,792.0
Profile Nipple	1	2 3/8	1.875		N-80	0.81	3,792.0	3,792.8
Wireline Guide	1	2 3/8	1.991			0.50	3,792.8	3,793.3

Rod Strings

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Packer	3,778	3,786	3/21/2014	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
6	GB4, Original Hole	3,842	3,852	3			3/20/2014
5	DS3, Original Hole	4,305	4,314	4	120		6/6/2007
4	D1, Original Hole	4,372	4,386	4	120		6/6/2007
3	C-Sand, Original Hole	4,525	4,542	4	120		6/6/2007
2	B1, Original Hole	4,584	4,589	4	120		6/6/2007
2	B2, Original Hole	4,636	4,641	4	120		6/6/2007
1	A1, Original Hole	4,764	4,774	4	120		6/1/2007

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,446	0.95	24.8	2,374			
2	1,790	0.82	24.7	2,327			
3	2,342	0.95	24.8	2,232			
4	2,241	0.95	24.9	2,027			
5	2,607	1.04	24.7	2,565			
1	1,509	0.825	31.4	2,389	323	371	0

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		PROPPANT SAND 49572 LB

NEWFIELD**Newfield Wellbore Diagram Data
Federal 12-19-9-16****Proppant**

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
2		PROPPANT SAND 14528 LB
3		PROPPANT SAND 99094 LB
4		PROPPANT SAND 93828 LB
5		PROPPANT SAND 17586 LB
1	25,120	Main White Sand 25120 lbs



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 12, 2014

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 12-19-9-16, Section 19, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33102

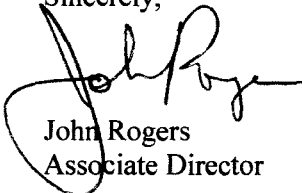
Ladies and Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,682 feet in the Federal 12-19-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,



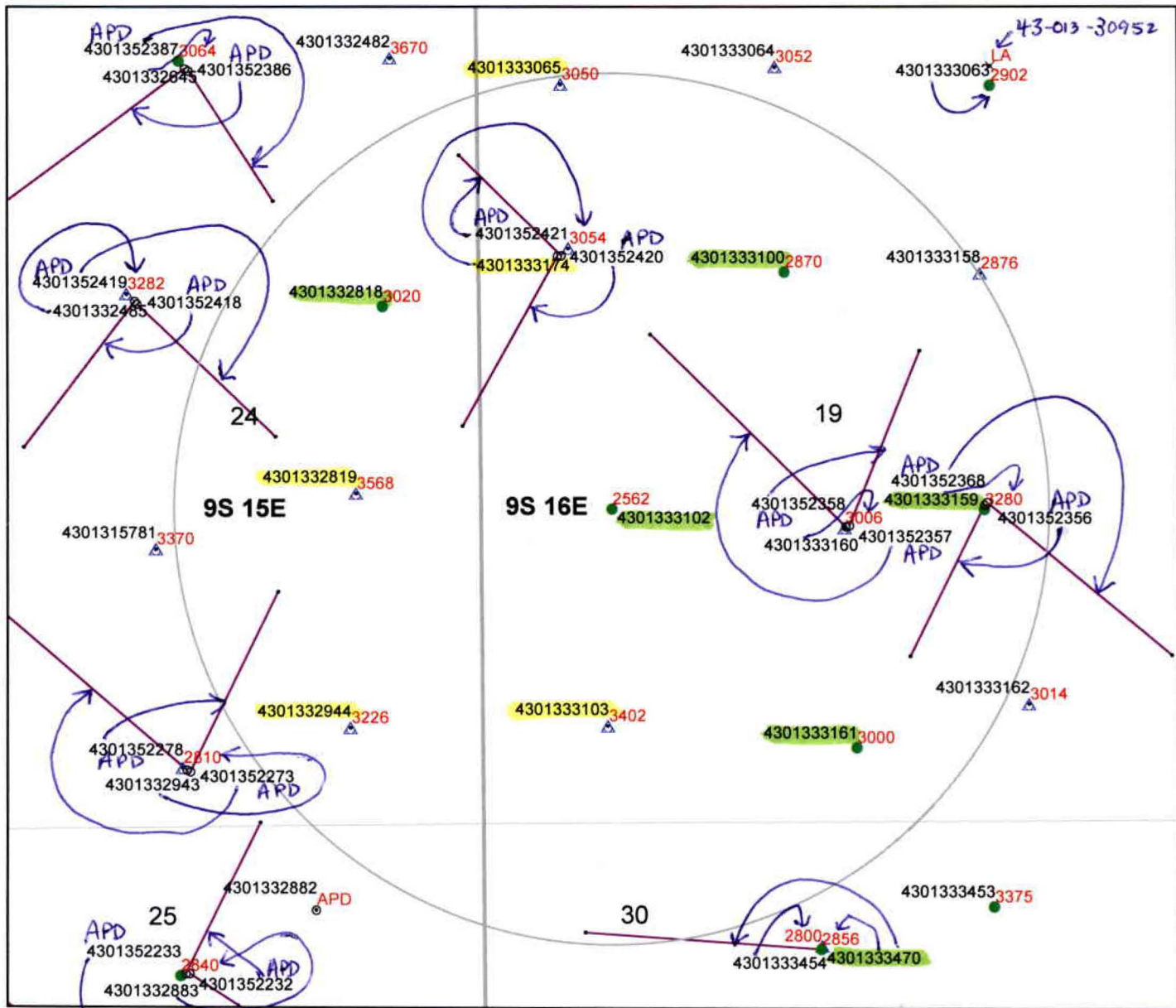
John Rogers
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊙ GIW-Gas Injection Well
- _{GS} GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- ⊙ OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊙ PGW-Producing Gas Well
- POW-Producing Oil Well *in AOR*
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊙ TA-Temp Abandoned
- TW-Test Well
- ⊙ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well *in AOR*
- WSW-Water Supply Well

- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

Cement Bond Tops Federal 12-19-9-16 API #43-013-33102 UIC-415.9

0 0.05 0.1 0.2 0.3 0.4 Miles



**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Federal 12-19-9-16

Location: 19/9S/16E **API:** 43-013-33102

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 324 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,744 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,562 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,255 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 5 producing wells, 5 injection wells, and 1 shut-in well in the AOR. Additionally, there is 1 directionally drilled producing well with a surface location outside the AOR and a bottom hole location inside the AOR. Finally, there are 2 approved surface locations outside the AOR from which a directional well will be drilled to bottom hole locations inside the AOR and 1 approved surface location inside the AOR, from which a directional well will be drilled to a bottom hole location outside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2500 feet. Injection shall be limited to the interval between 3,682 feet and 5,710 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 12-19-9-16 well is 0.82 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,760 psig. The requested maximum pressure is 1,760 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Federal 12-19-9-16

page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 2/12/2014

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED. TAX ID # 87-0217663
801-204-6910

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS		ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114		9001402352 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-415	12/13/2013
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.			
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.			
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1901 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:			
Greater Monument Butte Unit: State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East API 43-013-33846 State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33853 Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East API 43-013-30650 Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East API 43-013-33033 Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East API 43-013-33035 Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East API 43-013-32922 Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East API 43-013-33063 Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East API 43-013-33100 Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33102 Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33161 Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East API 43-013-33163 Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East API 43-013-33107 Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East API 43-013-33019 Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East API 43-013-33069 Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East API 43-013-33023 Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East API 43-013-33003 Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East API 43-013-30873 Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East API 43-013-32961 Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East API 43-013-33343			
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedure.			
Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.			
Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.			
Dated this 11th day of December, 2013.			
STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/ Brad Hill Permitting Manager			
923758			
UPAXLP			

DIV. OF OIL, GAS & MINING

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I C
**BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES
CAUSE NO. UIC-415 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING**
COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND D
ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT
NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON
UTAHLEGALS.COM INDEFINITELY, COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 12/13/2013 End 12/13/2013

SIGNATURE

DATE 12/13/2013

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

2210/REB/6131



NOTARY SIGNATURE

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 17 day of December, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 17 day of December, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

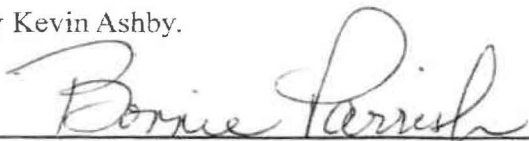


Publisher

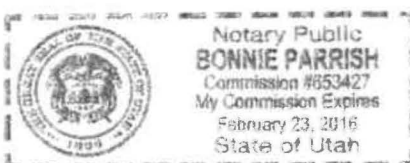
Subscribed and sworn to before me on this

23 day of December, 20 13

by Kevin Ashby.



Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

BEFORE THE
DIVISION OF OIL,
GAS AND MINING,
DEPARTMENT OF
NATURAL RE-
SOURCES, STATE
OF UTAH.

IN THE MATTER
OF THE APPLICA-
TION OF NEW-
FIELD PRODUC-
TION COMPANY
FOR ADMINISTRA-
TIVE APPROVAL
OF CERTAIN
WELLS LOCATED
IN SECTIONS 16,
17, 18, 19, 20, 21, 23,
and 24, TOWNSHIP
9 SOUTH, RANGE
16 EAST, DUCH-
ESNE COUNTY,
UTAH, AS CLASS
II INJECTION
WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED
IN THE ABOVE
ENTITLED MAT-
TER.

Notice is hereby
given that the Divi-
sion of Oil, Gas and
Mining (the "Divi-
sion") is commencing
an informal adjudi-
cative proceeding
to consider the ap-
plication of Newfield
Production Company,
1001 17th Street,

Continued on next page

Continued from
previous page

Suite 2000, Denver,
Colorado 80202, tele-
phone 303-893-0102,
for administrative ap-
proval of the following
wells located in Duch-
esne County, Utah, for
conversion to Class II
injection wells:

'Greater Monument
Butte Unit:

State 2-16-9-16 well
located in NW/4 NE/4,
Section 16, Township 9
South, Range 16 East
API 43-013-33846

State 13-16-9-16
well located in SW/4
SW/4, Section 16,
Township 9 South,
Range 16 East
API 43-013-33853

Castle Peak 32-16
well located in SW/4
NE/4, Section 16,
Township 9 South,
Range 16 East
API 43-013-30650

Federal 10-17-9-
16 well located in
NW/4 SE/4, Section
17, Township 9 South,
Range 16 East
API 43-013-33033

Federal 12-17-9-
16 well located in
NW/4 SW/4, Section
17, Township 9 South,
Range 16 East
API 43-013-33035

Federal 16-18-9-
16 well located in
SE/4 SE/4, Section
18, Township 9 South,
Range 16 East
API 43-013-32922

Federal 2-19-9-16
well located in NW/4
NE/4, Section 19,
Township 9 South,
Range 16 East
API 43-013-33063

Federal 6-19-9-16
well located in SE/4
NW/4, Section 19,
Township 9 South,
Range 16 East
API 43-013-33100

Federal 12-19-9-
16 well located in
NW/4 SW/4, Section
19, Township 9 South,
Range 16 East
API 43-013-33102

Federal 14-19-9-
16 well located in
SE/4 SW/4, Section
19, Township 9 South,

Any person desir-
ing to object to the
application or oth-
erwise intervene
in the proceeding, mu-
st file a written prote-
st or notice of inter-
vention with the Divi-
sion within fifteen days
following publication
of this notice. The Di-
vision's Presiding Of-
ficer for the proceeding
is Brad Hill, Permitting
Manager, at P.O. Box
145801, Salt Lake City,
UT 84114-5801, phone
number (801) 538-
5340. If such a protest
or notice of interven-
tion is received, a hear-
ing will be scheduled
in accordance with
the aforementioned
administrative pro-
cedural rules. Protes-
tants and/or interven-
ers should be prepared
to demonstrate at the
hearing how this mat-
ter affects their interest.
Dated this 11th day
of December, 2013
STATE OF UTAH
DIVISION OF OIL
& GAS & MINING

/s/
Brad Hill
Permitting Manager
Published in the
Uintah Basin Standard
December 17, 2013

RECEIVED
DEC 24 2013

DIV OF OIL GAS & MINING

Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33161

Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33163

Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33107

Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East

API 43-013-33019

Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East

API 43-013-33069

Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East

API 43-013-33023

Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East

API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-30873

Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East

API 43-013-32961

Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East

API 43-013-33343

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

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API 43-013-33846
State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33853
Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East
API 43-013-30650
Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33033
Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East
API 43-013-33035
Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East
API 43-013-32922
Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33063
Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33100
Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33102
Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33161
Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33163
Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33107
Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33019
Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33069
Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East
API 43-013-33023
Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-33003

Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-30873

Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-32961

Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East
API 43-013-33343

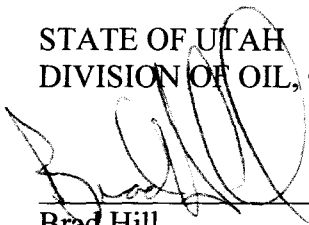
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 11th day of December, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**STATE 2-16-9-16, STATE 13-16-9-16, CASTLE PEAK 32-16,
FEDERAL 10-17-9-16, FEDERAL 12-17-9-16, FEDERAL 16-18-9-16,
FEDERAL 2-19-9-16, FEDERAL 6-19-9-16, FEDERAL 12-19-9-16,
FEDERAL 14-19-9-16, FEDERAL 16-19-9-16, FEDERAL 8-20-9-16,
FEDERAL 3-21-9-16, FEDERAL 4-21-9-16, FEDERAL 8-21-9-16,
FEDERAL 2-23-9-16, CASTLE PEAK FEDERAL 6-23,
FEDERAL 8-23-9-16, FEDERAL 14-24-9-16**

Cause No. UIC-415

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 12, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

12/12/2013

State of Utah Mail - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

1 message

UB Standard Legals <ubslegals@ubmedia.biz>

Thu, Dec 12, 2013 at 1:22 PM

To: Jean Sweet <jsweet@utah.gov>

On 12/12/2013 11:59 AM, Jean Sweet wrote:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean

—

Jean Sweet

Executive Secretary

Utah Division of Oil, Gas and Mining

801-538-5329

This will publish Dec. 17. Thank you. Merry Christmas.
Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 12, 2013

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

12/12/2013

State of Utah Mail - Proof for Notice

Jean Sweet <jsweet@utah.gov>

Proof for Notice

1 message

Stowe, Ken <naclegal@mediaoneutah.com>
Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com>
To: jsweet@utah.gov

Thu, Dec 12, 2013 at 12:34 PM

AD# 927358
Run SL Trib & Des News 12/13
Cost \$478.76
Thank You

 **OrderConf.pdf**
185K

Order Confirmation for Ad #0000927358-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210,P.O. BO; SALT LAKE CITY, UT 84114
Fax	801-359-3940	Ordered By	Acct. Exec
Email	juliecarter@utah.gov	Jean	kstowe

Total Amount	\$478.76			
Payment Amt	\$0.00			
		<u>Tear Sheets</u>	<u>Proofs</u>	<u>Affidavits</u>
Amount Due	\$478.76	0	0	1
Payment Method		<u>PO Number</u>	Newfield Cause UIC-4	
Confirmation Notes:				
Text:	Jean			

Ad Type	Ad Size	Color
Legal Liner	3.0 X 94 Li	<NONE>

<u>Product</u>	<u>Placement</u>	<u>Position</u>
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	12/13/2013	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	12/13/2013	
<u>Product</u>	<u>Placement</u>	<u>Position</u>
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	12/13/2013	

Order Confirmation for Ad #0000927358-01

Ad Content Proof Actual Size

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

December 5, 2013

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Federal #12-19-9-16
Monument Butte Field, Lease #UTU-74391
Section 19-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #12-19-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Jill L. Loyle
Regulatory Associate

RECEIVED

DEC 06 2013

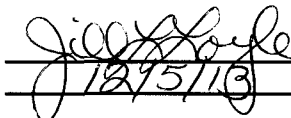
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #12-19-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-74391
DECEMBER 5, 2013

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APPLICATION FOR INJECTION WELL - UIC FORM 1

Well Name and number:		Federal #12-19-9-16	
Field or Unit name:		Monument Butte (Green River)	Lease No. UTU-74391
Well Location: QQ		NWSW	section 19 township 9S range 16E county Duchesne
Is this application for expansion of an existing project? Yes [X] No []			
Will the proposed well be used for:		Enhanced Recovery? Yes [X] No []	
		Disposal? Yes [] No [X]	
		Storage? Yes [] No [X]	
Is this application for a new well to be drilled? Yes [] No [X]			
If this application is for an existing well,			
has a casing test been performed on the well? Yes [] No [X]			
Date of test: _____			
API number: 43-013-33102			
Proposed injection interval: from 3682 to 5710			
Proposed maximum injection: rate 500 bpd pressure 1760 psig			
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2 mile of the well.			
IMPORTANT: Additional information as required by R615-5-2 should accompany this form.			
List of Attachments: Attachments "A" through "H-1"			
I certify that this report is true and complete to the best of my knowledge.			
Name: Jill L Loyle		Signature: 	
Title: Regulatory Associate		Date: 12/15/13	
Phone No. 303-383-4135			
(State use only)			
Application approved by		Title	
Approval Date			
Comments:			

FEDERAL 12-19-9-16

Spud Date: 05/04/07
Put on Production: 03/28/07
GL: 6024' KB: 6036'

Initial Production: BOPD,
MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.23')
DEPTH LANDED: 324.08' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 131 jts. (5741.84')
DEPTH LANDED: 5744.09' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 451 sxs 50/50 POZ.

TUBING

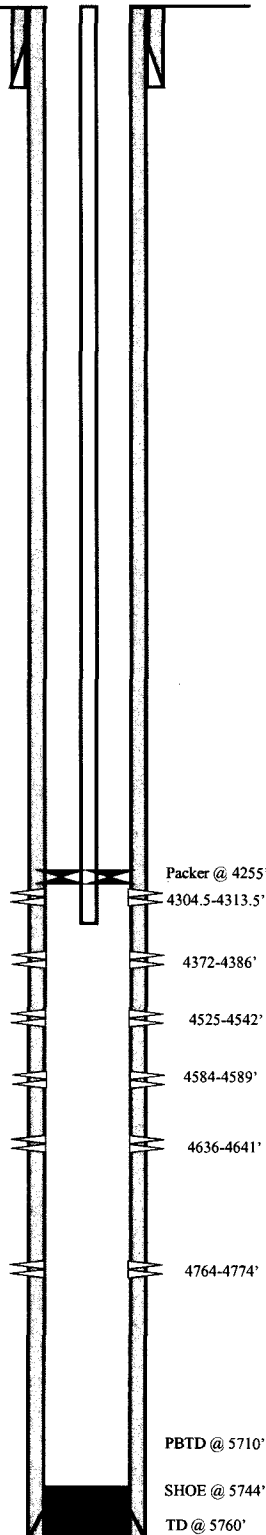
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 148 jts (4724.60')
TUBING ANCHOR: 4736.60' KB
NO. OF JOINTS: 1 jts (31.37')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4770.77' KB
NO. OF JOINTS: 2 jts (63.07')
TOTAL STRING LENGTH: EOT @ 4835.39' KB

FRAC JOB

06/06/07	4764-4774'	Frac A1 sands as follows: 49572# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 2181 psi w/avg rate of 24.7 BPM. ISIP 2446 psi. Calc flush: 4762 gal. Actual flush: 4301 gal.
06/06/07	4636-4584'	Frac B2 & B1 sands as follows: 14528# 20/40 sand in 232 bbls Lightning 17 frac fluid. Treated @ avg press of 2162 psi w/avg rate of 24.7 BPM. ISIP 1790 psi. Calc flush: 4634 gal. Actual flush: 4141 gal.
06/06/07	4525-4542'	Frac C sands as follows: 99094# 20/40 sand in 695 bbls Lightning 17 frac fluid. Treated @ avg press of 2017 psi w/avg rate of 24.7 BPM. ISIP 2342 psi. Calc flush: 4523 gal. Actual flush: 4040 gal.
06/06/07	4372-4386'	Frac D1 sands as follows: 93828# 20/40 sand in 683 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 24.7 BPM. ISIP 2241 psi. Calc flush: 4370 gal. Actual flush: 3919 gal
06/06/07	4304.5-4313.5'	Frac DS3 sands as follows: 17586# 20/40 sand in 243 bbls Lightning 17 frac fluid. Treated @ avg press of 2345 psi w/avg rate of 24.7 BPM. ISIP 2607 psi. Calc flush: 4302.5 gal. Actual flush: 4242 gal

PERFORATION RECORD

06/06/07	4764-4774'	4 JSPF	40 holes
06/06/07	4636-4641'	4 JSPF	20 holes
06/06/07	4584-4589'	4 JSPF	20 holes
06/06/07	4525-4542'	4 JSPF	68 holes
06/06/07	4372-4386'	4 JSPF	56 holes
06/06/07	4304.5-4313.5'	4 JSPF	36 holes



NEWFIELD

FEDERAL 12-19-9-16

1903'FSL & 791' FWL

NWSW Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33102; Lease # UTU-74391

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #12-19-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #12-19-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3682' - 5710'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3350' and the TD is at 5760'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #12-19-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #UTU-74391) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
 - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refilled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 324' KB, and 5-1/2", 15.5# casing run from surface to 5744' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1760 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #12-19-9-16, for existing perforations (4304' - 4774') calculates at 0.82 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1760 psig. We may add additional perforations between 3350' and 5760'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #12-19-9-16, the proposed injection zone (3682' - 5710') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-13.

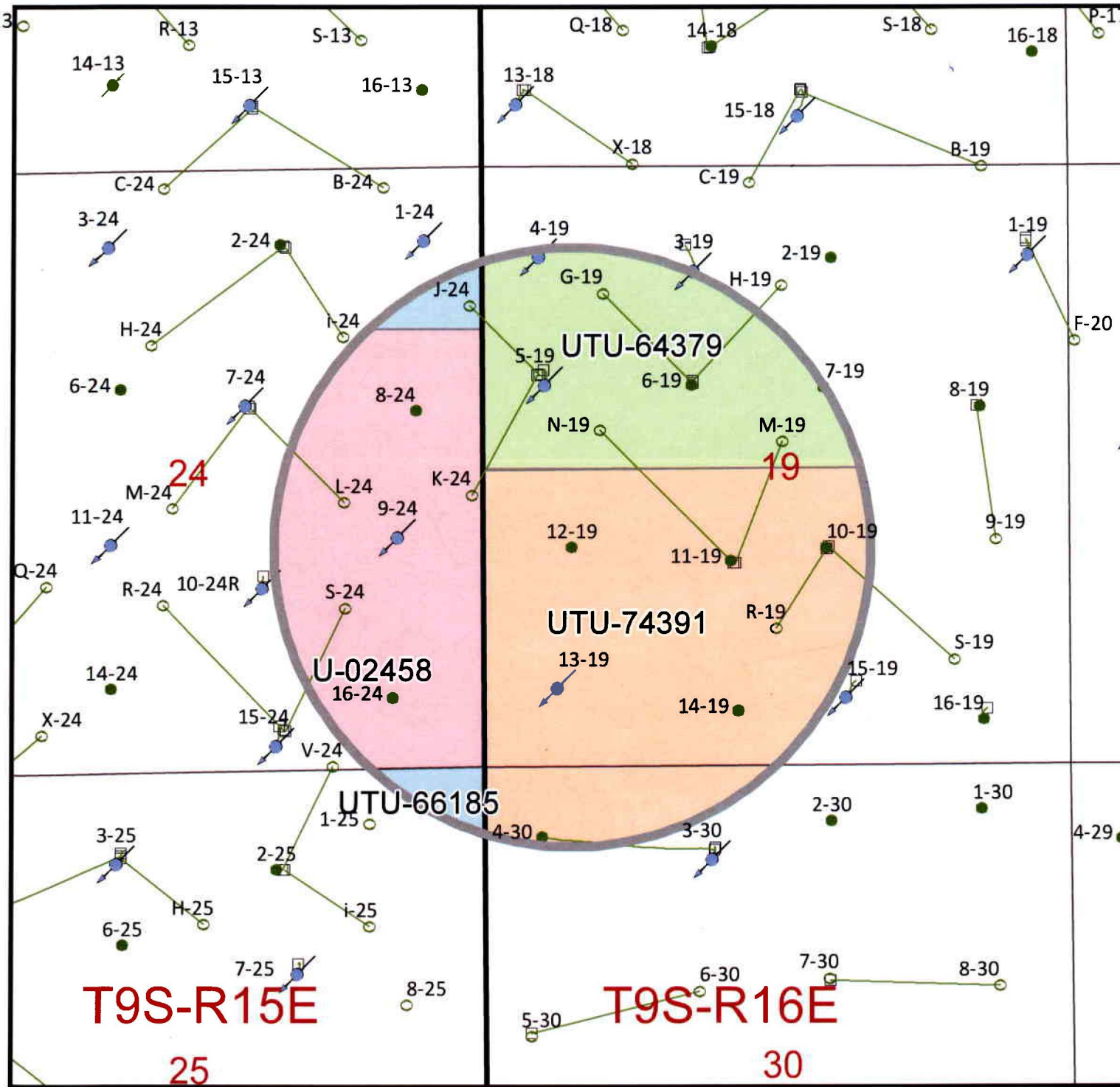
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.



Lease Number

- U-02458
- UTU-64379
- UTU-66185
- UTU-74391

Well Status

- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Well Surface Location

Federal 12-19-9-16
Section 19, T9S-R16E

NEWFIELD
ROCKY MOUNTAINS¹ in = 1,250 feet

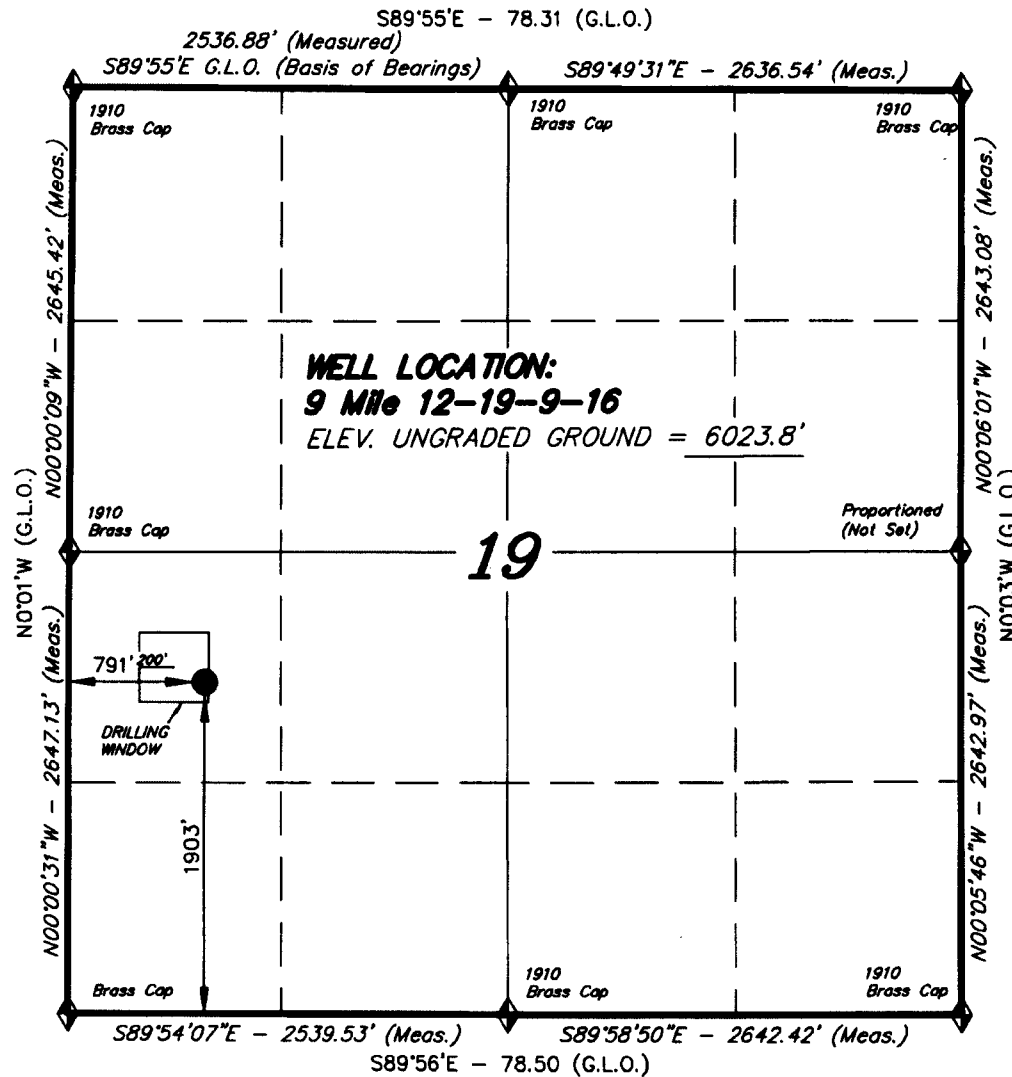
1/2 Mile Radius Map
Duchesne County

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone (303) 893-0102

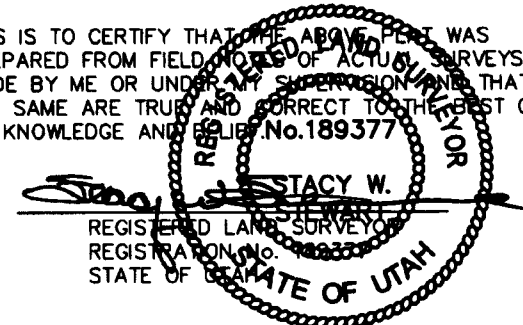
Nov. 7, 2013

T9S, R16E, S.L.B.&M.**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, 9 Mile 12-19-9-16,
LOCATED AS SHOWN IN THE NW 1/4 SW
1/4 OF SECTION 19, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 2-20-06	SURVEYED BY: C.M.
DATE DRAWN: 2-24-06	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 Mile 12-19-9-16
(Surface Location) NAD 83
LATITUDE = 40° 00' 51.78"
LONGITUDE = 110° 10' 05.93"

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 19: E2SW, SE, LOTS 3, 4 Section 20: S2 Section 29: All Section 30: All	USA UTU-74391 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA
3	T9S-R15E SLM Section 22: E2SW, LOTS 2, 3, 4 Section 23: NENE, W2E2, S2NW, E2SW Section 24: N2N2 Section 25: All Section 26: NE, NENW, S2NW, S2 Section 27: S2NE, E2NW, SE, LOTS 1, 2	USA UTU-66185 HBP	Newfield Production Company Newfield RMI LLC	USA
4	T9S-R15E SLM Section 23: SENE, W2SW, NESE Section 24: S2N2, S2	USA UTU-002458 HBP	Newfield Production Company Newfield RMI LLC	USA

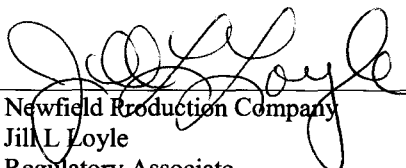
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #12-19-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____


Newfield Production Company
Jill L. Loyle
Regulatory Associate

Sworn to and subscribed before me this 5th day of December, 2013.

Notary Public in and for the State of Colorado: _____



My Commission Expires: 12/31/15

LYDIA BIONDO
Notary Public
State of Colorado

FEDERAL 12-19-9-16

Spud Date: 05/04/07
Put on Production: 03/28/07

GL: 6024' KB: 6036'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.23')
DEPTH LANDED: 324.08' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 131 jts. (5741.84')
DEPTH LANDED: 5744.09' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 451 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 148 jts (4724.60')
TUBING ANCHOR: 4736.60' KB
NO. OF JOINTS: 1 jts (31.37')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4770.77' KB
NO. OF JOINTS: 2 jts (63.07')
TOTAL STRING LENGTH: EOT @ 4835.39' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-6' & 1-8' x 3/4" pony rods, 99-3/4" guided rods, 75-3/4" plain rods, 10-3/4" guided rods, 6-1 1/2" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 20" RHAC
STROKE LENGTH: 102"
PUMP SPEED, 5 SPM:

Wellbore Diagram

Cement Top @ surface

SN 4771'

FRAC JOB

06/06/07 4764-4774' **Frac A1 sands as follows:**
49572# 20/40 sand in 420 bbls Lightning 17 frac fluid. Treated @ avg press of 2181 psi w/avg rate of 24.7 BPM. ISIP 2446 psi. Calc flush: 4762 gal. Actual flush: 4301 gal.

06/06/07 4636-4584' **Frac B2 & B1 sands as follows:**
14528# 20/40 sand in 232 bbls Lightning 17 frac fluid. Treated @ avg press of 2162 psi w/avg rate of 24.7 BPM. ISIP 1790 psi. Calc flush: 4634 gal. Actual flush: 4141 gal.


06/06/07 4525-4542' **Frac C sands as follows:**
99094# 20/40 sand in 695 bbls Lightning 17 frac fluid. Treated @ avg press of 2017 psi w/avg rate of 24.7 BPM. ISIP 2342 psi. Calc flush: 4523 gal. Actual flush: 4040 gal.

06/06/07 4372-4386' **Frac D1 sands as follows:**
93828# 20/40 sand in 683 bbls Lightning 17 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 24.7 BPM. ISIP 2241 psi. Calc flush: 4370 gal. Actual flush: 3919 gal.

06/06/07 4304.5-4313.5' **Frac DS3 sands as follows:**
17586# 20/40 sand in 243 bbls Lightning 17 frac fluid. Treated @ avg press of 2345 psi w/avg rate of 24.7 BPM. ISIP 2607 psi. Calc flush: 4302.5 gal. Actual flush: 4242 gal.

PERFORATION RECORD

06/06/07 4764-4774' 4 JSPF 40 holes
06/06/07 4636-4641' 4 JSPF 20 holes
06/06/07 4584-4589' 4 JSPF 20 holes
06/06/07 4525-4542' 4 JSPF 68 holes
06/06/07 4372-4386' 4 JSPF 56 holes
06/06/07 4304.5-4313.5' 4 JSPF 36 holes


FEDERAL 12-19-9-16 1903' FSL & 791' FWL NWSW Section 19-T9S-R16E Duchesne Co, Utah API #43-013-33102; Lease # UTU-74391

FEDERAL 3-19-9-16

Spud Date: 09/12/07

Put on Production: 10/11/07

GL: 6131' KB: 6143'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (312.15')

DEPTH LANDED: 324.27' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 153 jts. (5897.02')

DEPTH LANDED: 5945.27' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 440 sxs 50/50 POZ.

CEMENT TOP: 30'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 129 jts (3981.0')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3993' KB

ON/OFF TOOL AT: 3994.1'

SEAL NIPPLE AT: 3995.6'

ARROW #1 PACKER CE AT: 3999'

XO 2-3/8 x 2-7/8 J-55 AT: 4002.9'

TBG PUP 2-3/8 J-55 AT: 4003.3'

X/N NIPPLE AT: 4007.4'

TOTAL STRING LENGTH: EOT @ 4009'

FRAC JOB

06/27/07 5228-5240'

Frac LODC sands as follows:

45550# 20/40 sand in 450 bbls Lightning 17 frac fluid. Treated @ avg press of 1899 psi w/avg rate of 24.7 BPM. ISIP 2160 psi. Calc flush: 5226 gal. Actual flush: 4746 gal.

06/27/07 4975-4982'

Frac A1 sands as follows:

24422# 20/40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 2402 psi w/avg rate of 24.9 BPM. ISIP 2248 psi. Calc flush: 4973 gal. Actual flush: 4494 gal.

06/27/07 4823-4831'

Frac B.5 sands as follows:

29655# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 2022 psi w/avg rate of 24.8 BPM. ISIP 1907 psi. Calc flush: 4821 gal. Actual flush: 4326 gal.

06/27/07 4594-4603'

Frac D1 sands as follows:

69977# 20/40 sand in 571 bbls Lightning 17 frac fluid. Treated @ avg press of 1748 psi w/avg rate of 24.8 BPM. ISIP 1927 psi. Calc flush: 4592 gal. Actual flush: 4074 gal.

06/27/07 4082-4098'

Frac GB4 sands as follows:

84076# 20/40 sand in 655 bbls Lightning 17 frac fluid. Treated @ avg press of 1625 psi w/avg rate of 24.8 BPM. ISIP 1836 psi. Calc flush: 4080 gal. Actual flush: 3990 gal.

09/17/10

Pump Change. Rod & tubing detail updated.

10/05/12 4637-4640'

Frac D2 sands as follows:

23809# 20/40 sand in 239 bbls Lightning 17 frac fluid.

10/05/12 4117-4120'

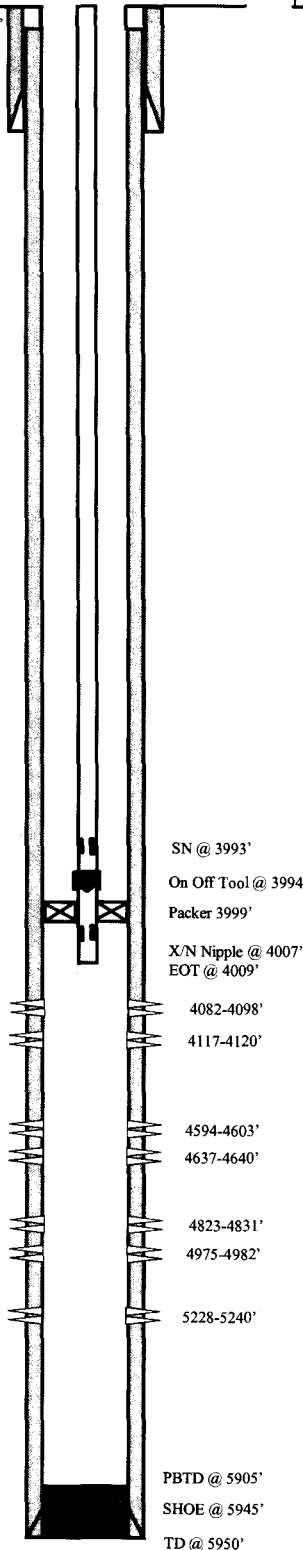
Frac GB6 sands as follows:

19413# 20/40 sand in 193 bbls Lightning 17 frac fluid.

10/09/12

Convert to Injection well

10/12/12

Conversion MIT Finalized – update tbg detail**NEWFIELD****FEDERAL 3-19-9-16**

699' FNL & 1802' FWL

NE/NW Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33064; Lease # UTU-64379

PERFORATION RECORD

10/11/07	5228-5240'	4 JSPF	48 holes
10/11/07	4975-4982'	4 JSPF	28 holes
10/11/07	4823-4831'	4 JSPF	32 holes
10/11/07	4594-4603'	4 JSPF	36 holes
10/11/07	4082-4098'	4 JSPF	64 holes
10/03/12	4637-4640'	3 JSPF	9 holes
10/03/12	4117-4120'	3 JSPF	9 holes

FEDERAL 4-19-9-16

Spud Date: 09/21/07

Put on Production: 10/16/07

GL: 6147' KB: 6159'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (318.36')

DEPTH LANDED: 318.43' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 1- 160, sxs Class "G" cmt, 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 154 jts. (5940.31')

DEPTH LANDED: 5953.56' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP: 113'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 136 jts (4244')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4254' KB

ON/OFF TOOL AT: 4255.1'

ARROW #1 PACKER CE AT: 4260.3'

XO 2-3/8 x 2-7/8 J-55 AT: 4263.7'

TBG PUP 2-3/8 J-55 AT: 4264.2'

X/N NIPPLE AT: 4268.3'

TOTAL STRING LENGTH: EOT @ 4270.07'

FRAC JOB

10/24/07 5006-5040'

Frac A1 & A3 sands as follows:
59956# 20/40 sand in 510 bbls Lightning 17 frac fluid. Treated @ avg press of 2310 psi w/avg rate of 27.4 BPM. ISIP 2530 psi. Calc flush: 5004 gal. Actual flush: 4494 gal.

10/24/07 4617-4652'

Frac D1 & D2 sands as follows:
60019# 20/40 sand in 499 bbl Lightning 17 frac fluid. Treated @ avg press of 1873 psi w/avg rate of 24.8 BPM. ISIP 2145 psi. Calc flush: 4615 gal. Actual flush: 4116 gal.

10/24/07 4332-4404'

Frac PB10 & PB11 sands as follows:
38622# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2107 psi w/avg rate of 24.8 BPM. ISIP 2145 psi. Calc flush: 4330 gal. Actual flush: 4200 gal.

6/11/08

Stuck pump. Updated tubing and rod detail

6/18/09

Tubing Leak. Updated rod & tubing details.

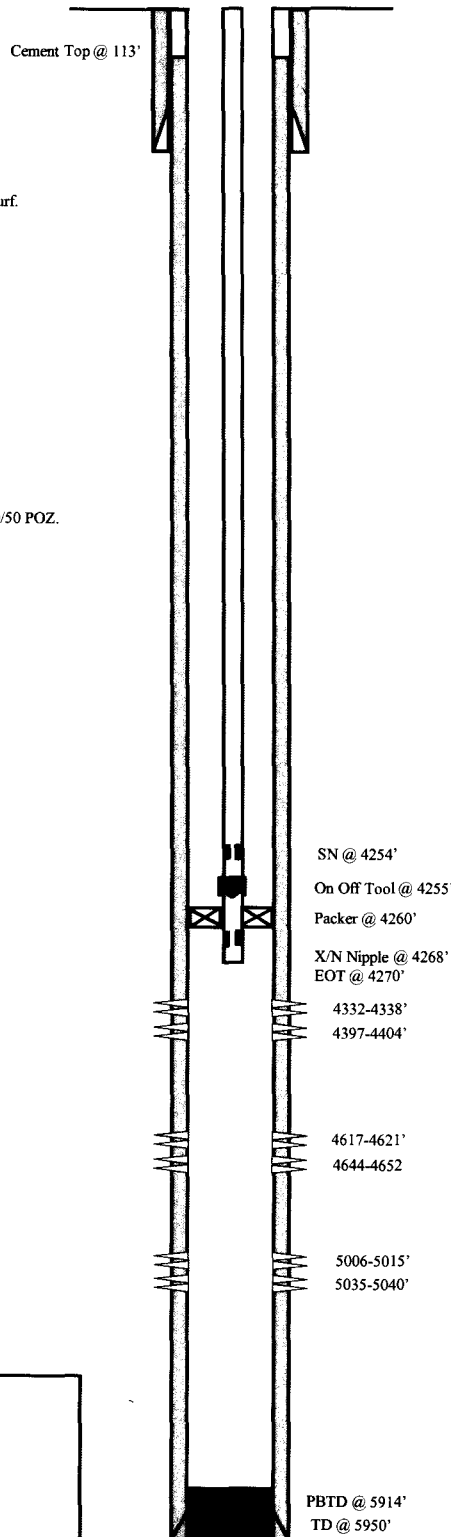
10-6-10

Parted Rods. Update rod and tubing details.

09/26/13

Convert to Injection Well

10/01/13

Conversion MIT Finalized – update tbg detailPERFORATION RECORD

5035-5040'	4 JSPF	20 holes
5006-5015'	4 JSPF	36 holes
4644-4652'	4 JSPF	32 holes
4617-4621'	4 JSPF	16 holes
4397-4404'	4 JSPF	28 holes
4332-4338'	4 JSPF	24 holes

NEWFIELD**FEDERAL 4-19-9-16**

795' FNL & 507' FWL

NW/NW Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33065; Lease # UTU-64379

Spud Date: 08/29/07
Put on Production: 10/08/07
GL: 6182' KB: 6194'

FEDERAL 5-19-9-16

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (301.00')
DEPTH LANDED: 312.85' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 149 jts. (5914.34')
DEPTH LANDED: 5927.59' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

TUBING

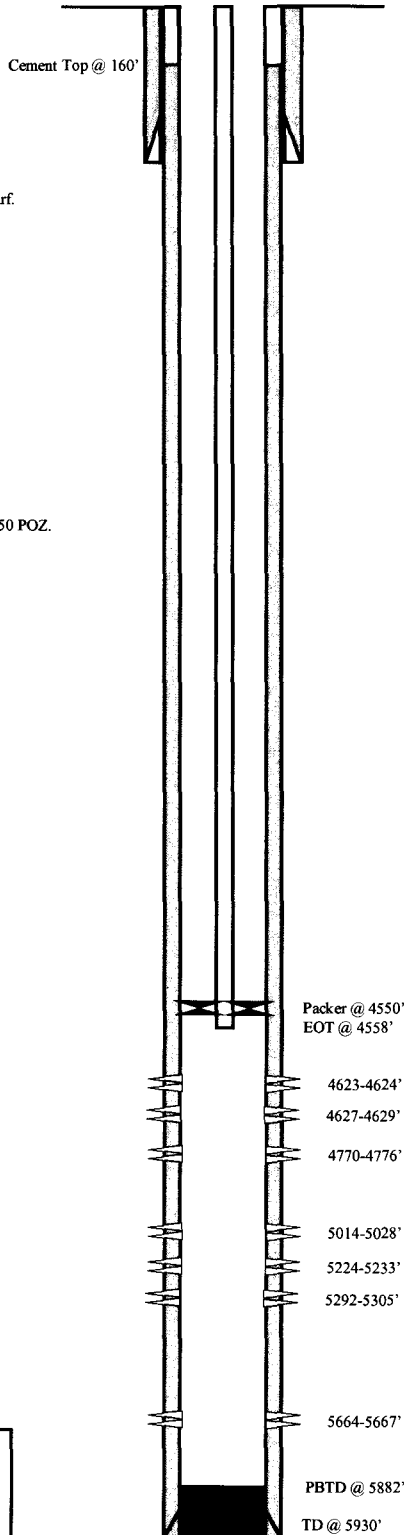
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 147 jts (4532.2')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4544.2' KB
RETRIEVING HEAD 4-1/2" N-80 AT: 4545.3'
PACKER CE AT: 4550.4' w/ 1.875 profile X-nipple
TBG PUP 2-3/8" J-55 AT: 4554.1'
TOTAL STRING LENGTH: EOT @ 4558' KB

FRAC JOB

10/02/07	5292-5305'	Frac LODC sands as follows: 70815# 20/40 sand in 589 bbls Lightning 17 frac fluid. Treated @ avg press of 2092 psi w/avg rate of 24.8 BPM. ISIP 2307 psi. Calc flush: 5290 gal. Actual flush: 4784 gal.
10/02/07	5224-5233'	Frac LODC sands as follows: 56237# 20/40 sand in 502 bbls Lightning 17 frac fluid. Treated @ avg press of 2357 psi w/avg rate of 24.8 BPM. ISIP 2399 psi. Calc flush: 5222 gal. Actual flush: 4717 gal.
10/04/07	5014-5028'	Frac A3 sands as follows: 49854# 20/40 sand in 466 bbls Lightning 17 frac fluid. Treated @ avg press of 1934 psi w/avg rate of 24.8 BPM. ISIP 2070 psi. Calc flush: 5012 gal. Actual flush: 4507 gal.
10/05/07	4770-4776'	Frac C sands as follows: 16441# 20/40 sand in 257 bbls Lightning 17 frac fluid. Treated @ avg press of 2243 psi w/avg rate of 24.8 BPM. ISIP 3458 psi. Calc flush: 4768 gal. Actual flush: 4683 gal.
10/21/09		Pump Change. Updated rod & tubing details.
7/14/2011		Tubing Leak. Updated rod & tubing details.
08/30/12	5664-5667'	Frac CP4 sands as follows: 18147# 20/40 sand in 229 bbls Lightning 17 frac fluid.
08/30/12	4623-4629'	Frac D1 sands as follows: 16342# 20/40 sand in 236 bbls Lightning 17 frac fluid.
08/31/12		Convert to Injection Well
09/05/12		Conversion MIT Finalized - update tbg detail

PERFORATION RECORD

10/01/07	5292-5305'	4 JSPF	52 holes
10/02/07	5224-5233'	4 JSPF	36 holes
10/02/07	5014-5028'	4 JSPF	56 holes
10/04/07	4770-4776'	4 JSPF	24 holes
08/28/12	5664-5667'	3 JSPF	9 holes
08/28/12	4627-4629'	3 JSPF	6 holes
08/28/12	4623-4624'	3 JSPF	3 holes



NEWFIELD

FEDERAL 5-19-9-16

1785'FNL & 544' FWL
SW/NW Section 19-T9S-R16E
Duchesne Co, Utah
API #43-013-33174; Lease # UTU-64379

FEDERAL 6-19-9-16

Spud Date: 05/13/07
Put on Production: 06/12/07

GL: 5988' KB: 6000'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.05')
DEPTH LANDED: 323.90' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

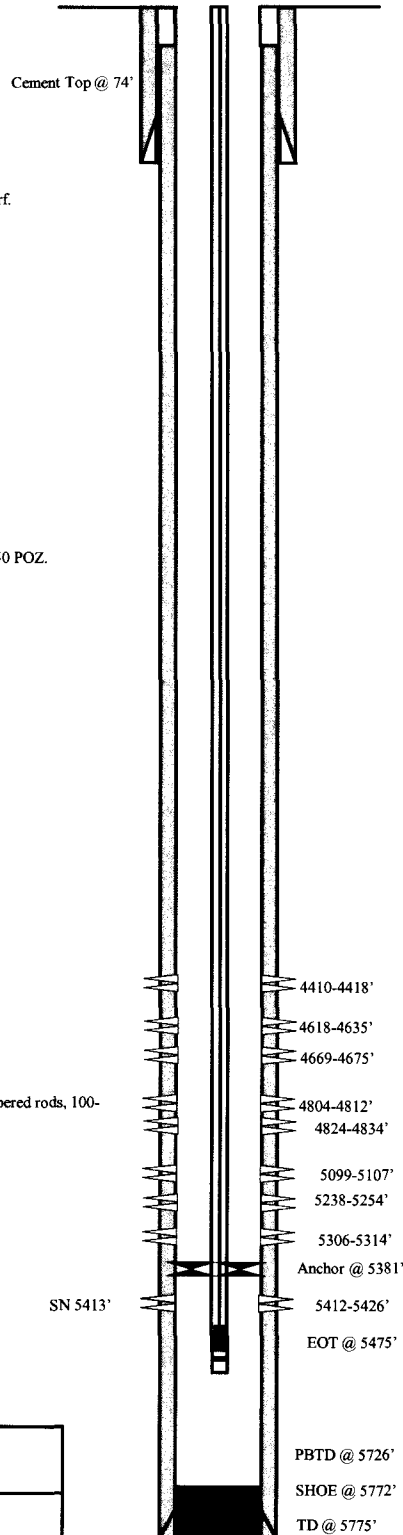
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 131 jts. (5758.79')
DEPTH LANDED: 5772.04' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
CEMENT TOP: 74'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 173 jts (5368.53')
TUBING ANCHOR: 5380.53' KB
NO. OF JOINTS: 1 jts (29.45')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5412.78' KB
NO. OF JOINTS: 2 jts (60.64')
TOTAL STRING LENGTH: EOT @ 5474.97' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-4" & 1-8" x 3/4" pony rods, 100-3/4" scraped rods, 100-3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 20' RHAC
STROKE LENGTH: 102"
PUMP SPEED, 4.5 SPM:

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

06/07/07	5412-5426'	Frac CP3 sands as follows: 34633# 20/40 sand in 371 bbls Lightning 17 frac fluid. Treated @ avg press of 2052 psi w/avg rate of 24.7 BPM. ISIP 2154 psi. Calc flush: 5410 gal. Actual flush: 4906 gal.
06/08/07	5306-5314'	Frac CP1 sands as follows: 24825# 20/40 sand in 338 bbls Lightning 17 frac fluid. Treated @ avg press of 2394 psi w/avg rate of 24.7 BPM. ISIP 2353 psi. Calc flush: 5304 gal. Actual flush: 4843 gal.
06/08/07	5238-5254'	Frac LODC sands as follows: 69984# 20/40 sand in 557 bbls Lightning 17 frac fluid. Treated @ avg press of 2189 psi w/avg rate of 24.7 BPM. ISIP 2569 psi. Calc flush: 5236 gal. Actual flush: 4729 gal.
06/08/07	5099-5107'	Frac LODC sands as follows: 44824# 20/40 sand in 411 bbls Lightning 17 frac fluid. Treated @ avg press of 2128 psi w/avg rate of 24.7 BPM. ISIP 2388 psi. Calc flush: 5097 gal. Actual flush: 4591 gal.
06/08/07	4804-4834'	Frac A1&A3 sands as follows: 84070# 20/40 sand in 625 bbls Lightning 17 frac fluid. Treated @ avg press of 1849 psi w/avg rate of 24.7 BPM. ISIP 2309 psi. Calc flush: 4802 gal. Actual flush: 4339 gal.
06/08/07	4618-4675'	Frac B1 & B2 sands as follows: 136676# 20/40 sand in 945 bbls Lightning 17 frac fluid. Treated @ avg press of 1720 psi w/avg rate of 24.7 BPM. ISIP 2016 psi. Calc flush: 4616 gal. Actual flush: 4154 gal.
06/08/07	4410-4418'	Frac D1 sands as follows: 36368# 20/40 sand in 369 bbls Lightning 17 frac fluid. Treated @ avg press of 1565 psi w/avg rate of 24.7 BPM. ISIP 1650 psi. Calc flush: 4408 gal. Actual flush: 4368 gal.

PERFORATION RECORD

06/05/07	5412-5426'	4 JSPF	56 holes
06/07/07	5306-5314'	4 JSPF	32 holes
06/07/07	5238-5254'	4 JSPF	64 holes
06/08/07	5099-5107'	4 JSPF	32 holes
06/08/07	4824-4834'	4 JSPF	40 holes
06/08/07	4804-4812'	4 JSPF	32 holes
06/08/07	4669-4675'	4 JSPF	24 holes
06/08/07	4618-4635'	4 JSPF	68 holes
06/08/07	4410-4418'	4 JSPF	32 holes

NEWFIELD**FEDERAL 6-19-9-16**

1941' FNL & 1851' FWL
SE/NW Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33100; Lease # UTU-64379

FEDERAL 7-19-9-16

Spud Date: 09/25/07
Put on Production: 12/06/07
GL: 6137' KB: 6149'

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.36')
DEPTH LANDED: 316.01' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 138 jts. (5929.84')
DEPTH LANDED: 5943.09' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP: 175'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 172 jts (5412.80')
TUBING ANCHOR: 5412.80' KB
NO. OF JOINTS: 1 jts (31.50')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5447.10' KB
NO. OF JOINTS: 2 jts (62.06')
TOTAL STRING LENGTH: EOT @ 5510.71' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 1-4', & 1-6' x 3/4" pony rods, 1-3/4" slick rod 100-3/4"
scraper rods, 90-3/4" plain rods, 20-3/4" scraper rods, 6-1 1/2" weight rods.
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 17' x 20' RHAC
STROKE LENGTH: 100"
PUMP SPEED, 5 SPM:

FRAC JOB

11/19/07 5410-5434' **Frac LODC sands as follows:**
109202# 20/40 sand in 819 bbls Lightning 17
frac fluid. Treated @ avg press of 2224 psi
w/avg rate of 23.1 BPM. ISIP 2660 psi. Calc
flush: 5408 gal. Actual flush: 4906 gal.

11/28//07 5259-5266' **Frac LODC sands as follows:**
39849# 20/40 sand in 409 bbl Lightning 17
frac fluid. Treated @ avg press of 2270 psi
w/avg rate of 22.9 BPM. ISIP 2197 psi. Calc
flush: 5257 gal. Actual flush: 4759 gal.

11/28/07 4916-4923' **Frac A.5 sands as follows:**
190567# 20/40 sand in 298 bbls Lightning 17
frac fluid. Treated @ avg press of 2017 psi
w/avg rate of 23.1 BPM. ISIP 2175 psi. Calc
flush: 4914 gal. Actual flush: 4410 gal.

11/28/07 4843-4848' **Frac B1 sands as follows:**
14207# 20/40 sand in 260 bbls Lightning 17
frac fluid. Treated @ avg press of 2112 psi
w/avg rate of 23.1 BPM. ISIP 1944 psi. Calc
flush: 4842 gal. Actual flush: 4343 gal.

11/28/07 4564-4579' **Frac D1 sands as follows:**
79967# 20/40 sand in 617 bbls Lightning 17
frac fluid. Treated @ avg press of 1666 psi
w/avg rate of 23.1 BPM. ISIP 1984 psi. Calc
flush: 4564 gal. Actual flush: 4579 gal.

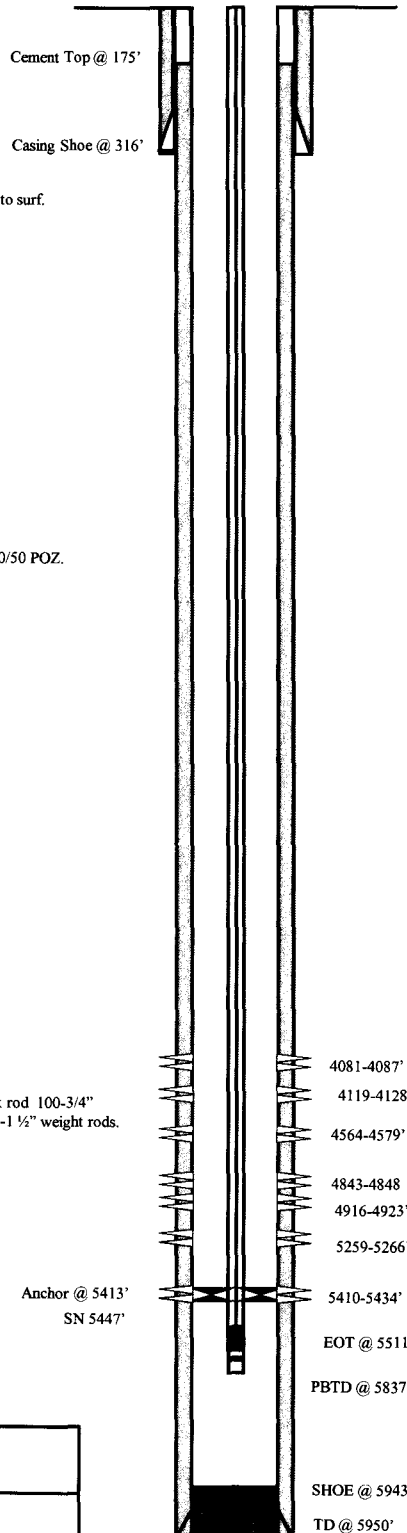
11/28/07 4564-4579' **Frac GB6 & GB4 sands as follows:**
39102# 20/40 sand in 395 bbls Lightning 17
frac fluid. Treated @ avg press of 1725 psi
w/avg rate of 23.1 BPM. ISIP 1731 psi. Calc
flush: 4562 gal. Actual flush: 3990 gal.

5/5/09

Pump Change. Updated r & t details.

PERFORATION RECORD

10/11/07 4584-4598' 4 JSPF 56 holes
10/11/07 4828-4837' 4 JSPF 36 holes
10/11/07 4976-4985' 4 JSPF 36 holes
10/11/07 5236-5272' 4 JSPF 144 holes
10/11/07 5649-5658' 4 JSPF 36 holes

**NEWFIELD****FEDERAL 7-19-9-16**

1958'FNL & 2161' FEL
SW/NE Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33158; Lease # UTU-64379

Spud Date: 9/27/2007
Put on Production: 1/9/2008
GL:6181' KB:6193'

Federal 10-19-9-16

Initial Production: BOPD, MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7jts (311.69')
DEPTH LANDED: 321.69'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160sxs of class 'G' cement, circ 2 bbls to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 152jts (5894.79')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5883.99'
CEMENT DATA: 300sxs of Primlite II & 400sxs of 50/50 poz
CEMENT TOP AT: 127' per CBL 12/5/07

TUBING (KS 11/29/12)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 169jts (5501.0')
TUBING ANCHOR: 5513.0'
NO. OF JOINTS: 3jts (93.8')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5609.6'
NO. OF JOINTS: 1jt (32.7')
GAS ANCHOR: 5-1/2" (5.2')
NIPPLE: 2-7/8" (0.6')
NO. OF JOINTS: 3jts (97.6')
BULL PLUG: 2-7/8" (0.4')
TOTAL STRING LENGTH: EOT @ 5747'

SUCKER RODS (KS 11/29/12)

POLISHED ROD: 26' x 1-1/2"
SUCKER RODS: 4' 8" x 3/4" Pony Rods, 99 x 3/4" Guided Rods, 91 x 3/4" Sucker Rods, 27 x 3/4" Guided Rods, 6 x 1-1/2" Sinker Bars
PUMP SIZE: 2-1/2" x 1-1/2" x 20' x 24" RHAC
STROKE LENGTH: 103"
PUMP SPEED, SPM: 5.0
PUMPING UNIT: DARCO C-320-256-120

FRAC JOB

12/14/07 5828'-5838' **Frac BS sds w/ 37,662#s of 20/40 sand in 535 bbls of Lightning 17 fluid. Broke @ 3685 psi. Treated w/ ave pressure of 2385 psi w/ ave rate of 23.5 BPM. ISIP 2409 psi. Calc Flush: ? Actual flush: 5321 gals.**

12/14/07 5558'-5570' **Frac CP3 sds w/ 39,505#s of 20/40 sand in 465 bbls of Lightning 17 fluid. Broke @ 1750 psi. Treated w/ ave pressure of 2332 psi w/ ave rate of 20.6 BPM. ISIP 2282 psi. Calc flush: Actual Flush: 5048 gals.**

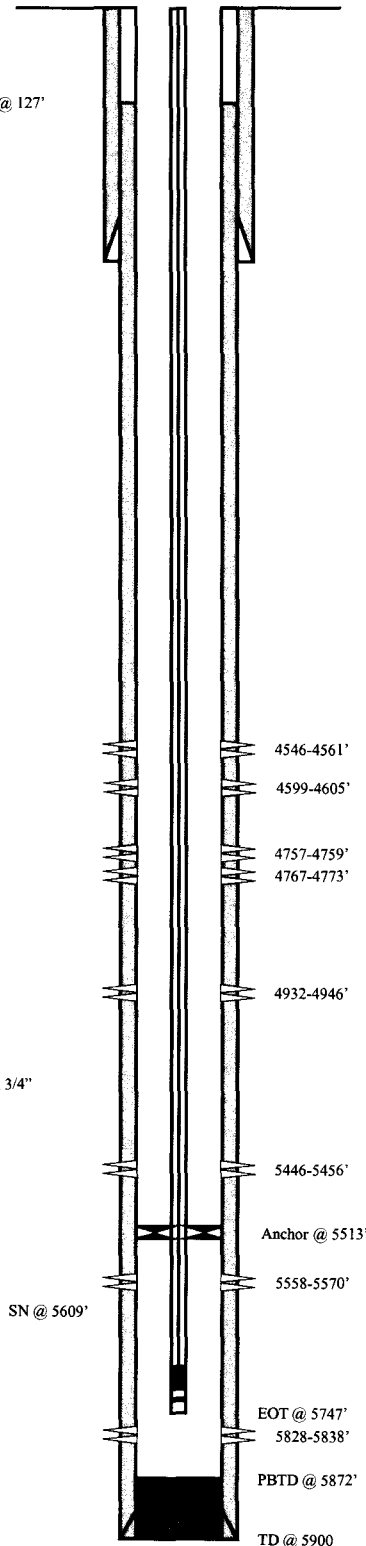
12/14/07 5446'-5456' **Frac CP1 sds w/ 50,243#s of 20/40 sand in 456 bbls of Lightning 17 fluid. Broke @ 1969 psi. Treated w/ ave pressure of 2121 psi w/ ave rate of 20.6 BPM. ISIP 2179 psi. Calc Flush: ? Actual Flush: 4855 gals.**

12/14/07 4546'-4561' **Frac D1 & D2 sds w/ 73,020#s of 20/40 sand in 652 bbls of Lightning 17 fluid. Broke @ 1605 psi. Treated w/ ave pressure of 1792 psi w/ ave rate of 20.7 BPM. ISIP 2037 psi. Calc flush: ? Actual Flush: 4460 gals.**

10-1-08 Pump Change updated rod & tubing details.
10-01-10 Recompletion
9-28-10 4932-4561 Frac w/44516# of Frac A1 20/40 sand on 255bbls of lightning 17 fluid.
9-28-10 4767-4773 Frac w/50785# of Frac A1 20/40 sand on 287bbls of lightning 17 fluid

PERFORATION RECORD

12/06/07	5828-5838'	4 JSPF	40 holes
12/14/07	5558-5570'	4 JSPF	48 holes
12/14/07	5446-5456'	4 JSPF	40 holes
9/28/10	4932-4946'	4JSPF	42 holes
9/28/10	4767-4773'	4JSPF	18holes
9/28/10	4757-4759'	4JSPF	6 holes
12/14/07	4599-4605'	4 JSPF	24 holes
12/14/07	4546-4561'	4 JSPF	60 holes



NEWFIELD

Federal 10-19-9-16
1890' FSL & 2146' FEL
NW/SE Section 19-T9S-R16E
Duchesne Co, Utah
API #43-013-33159; Lease #UTU-74391

KS 1/30/13

Spud Date: 10-09-07
 Put on Production: 1-8-08
 GL: 6199' KB: 6211'

Federal 11-19-9-16

Injection Wellbore
DiagramSURFACE CASING

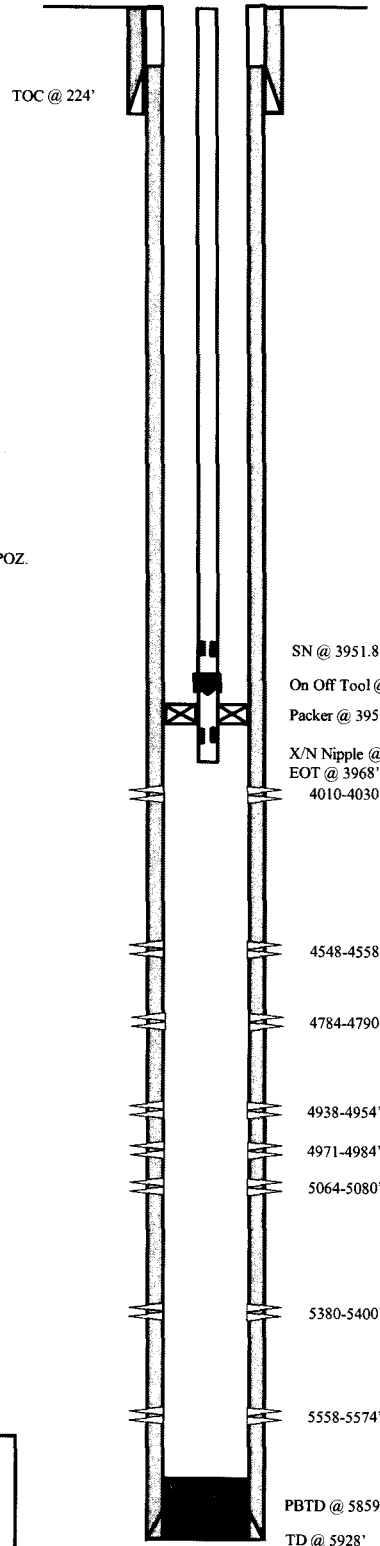
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.34')
 DEPTH LANDED: 320.34'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, circ. 8 bbl to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 152jts. (5907.45')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5905.45'
 CEMENT DATA: 300 sk Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP AT: 224' per CBL 12/14/07

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 125 jts (3939.8')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 3951.8' KB
 ON/OFF TOOL AT: 3952.9'
 ARROW #1 PACKER CE AT: 3957.69'
 XO 2-3/8 x 2-7/8 J-55 AT: 3961.4'
 TBG PUP 2-3/8 J-55 AT: 3961.9'
 X/N NIPPLE AT: 3966'
 TOTAL STRING LENGTH: EOT @ 3967.6'

FRAC JOB

12-26-07 5558-5574' **Frac CP2 sands as follows:**
 Frac with 59775# 20/40 sand in 533bbls
 Lightning 17 fluid. Treat at 1825 psi @
 23 BPM. ISIP 2111 psi.

12-26-07 5380-5400' **Frac LODC sands as follows:**
 Frac with 59263# 20/40 sand in 528 bbls
 Lightning 17 fluid. Treat at 2001psi @
 23.1 BPM. ISIP 2364psi.

12-27-7 5064-5080' **Frac LODC sands as follows:**
 Frac with 75331# 20/40 sand in 618
 bbls Lightning 17 fluid. Treat at 2507 psi
 @ 29.1 BPM. ISIP 2905 psi.

12-27-07 4938-4984' **Frac A3 & A1 sand as follows:**
 Frac with 110221# 20/40 sand in 881
 bbls Lightning 17 fluid. Treat at 1743 psi
 @ 23 BPM. ISIP 2079 psi.

12-27-07 4784-4790' **Frac B.5 sands as follows:**
 Frac with 20091# 20/40 sand in 301
 bbls Lightning 17 fluid. Treat at 2034 psi
 @ 23 BPM. ISIP 2027 psi.

12-27-07 4548-4558' **Frac D1 sands as follows:**
 Frac with 50552# 20/40 sand in 442
 bbls Lightning 17 fluid. Treat at 1639 psi
 @ 23.1 BPM. ISIP 2088 psi.

12-27-07 4010-4030' **Frac GB4 sands as follows:**
 Frac with 44039# 20/40 sand in 416
 bbls Lightning 17 fluid. Treat at 1391 psi
 @ 23 BPM. ISIP 1434 psi.

9-16-08 **Parted rod.** Updated rod & tubing
 details.

6/15/09 **Tubing Leak.** Updated r & t details.

09/04/13 **Convert to Injection Well**

09/05/13 **Conversion MIT Finalized** - update tbg
 detail

PERFORATION RECORD

4010-4030'	4 JSPF	80 holes
4548-4558'	4 JSPF	40 holes
4784-4790'	4 JSPF	24 holes
4938-4954'	4 JSPF	64 holes
4971-4984'	4 JSPF	52 holes
5064-5080'	4 JSPF	64 holes
5380-5400'	4 JSPF	80 holes
5558-5574'	4 JSPF	64 holes

NEWFIELD

Federal 11-19-9-16
 1778' FSL & 2197' FWL
 NESW Section 19-T9S-R16E
 Duchesne Co, Utah
 API #43-013-33160; Lease #UTU-74391

Federal 13-19-9-16

Spud Date: 7/18/2009

Put on Production: 8/20/2009

GL: 6044' KB: 6056'

SURFACE CASING

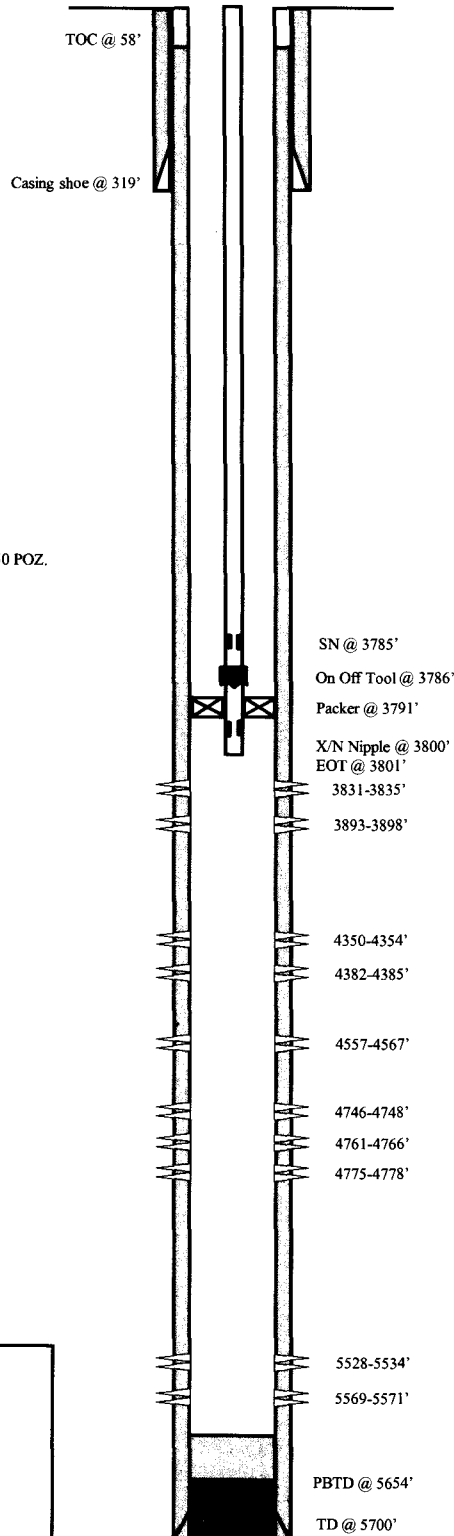
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (30.7.17')
 DEPTH LANDED: 319.02'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 143 jts. (5642.16')
 HOLE SIZE: 7-7/8"
 DEPTH LANDED: 5696.9'
 CEMENT DATA: 275 sx Prem. Lite II mixed & 400 sx 50/50 POZ.
 CEMENT TOP AT: 58'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 120 jts (3772.8')
 SEATING NIPPLE: 2-7/8" (1.10")
 SN LANDED AT: 3784.8' KB
 ON/OFF TOOL AT: 3785.9'
 ARROW #1 PACKER CE AT: 3791.4'
 XO 2-3/8 x 2-7/8 J-55 AT: 3794.8'
 TBG PUP 2-3/8 J-55 AT: 3795.3'
 X/N NIPPLE AT: 3799.6'
 TOTAL STRING LENGTH: EOT @ 3800.9'

Injection Wellbore
DiagramFRAC JOB

8-21-09	5528-5571'	Frac CP5 sands as follows: Frac with 15618# 20/40 sand in 124 bbls Lightning 17 fluid.
8-21-09	4746-4778'	Frac A1 sands as follows: Frac with 60817# 20/40 sand in 358 bbls Lightning 17 fluid.
8-21-09	4557-4567'	Frac B.5 sands as follows: Frac with 15408# 20/40 sand in 124 bbls Lightning 17 fluid.
8-21-09	4350-4385'	Frac D1 & D2 sands as follows: Frac with 61285# 20/40 sand in 360 bbls Lightning 17 fluid.
8-21-09	3831-3898'	Frac GB4 & GB5 sands as follows: Frac with 84734# 20/40 sand in 506 bbls Lightning 17 fluid.
9/30/09		Pump Change. Updated rod & tubing details.
11/30/2009		Pump Change. Updated rod and tubing detail.
05/01/10		Pump Change. Updated rod and tubing detail.
07/23/11		Pump Change. Rods & tubing updated.
09/04/13		Convert to Injection Well
09/05/13		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

5569-5571'	3 JSPF	6 holes
5528-5534'	3 JSPF	18 holes
4775-4778'	3 JSPF	9 holes
4761-4766'	3 JSPF	15 holes
4746-4748'	3 JSPF	6 holes
4557-4567'	3 JSPF	30 holes
4382-4385'	3 JSPF	9 holes
4350-4354'	3 JSPF	12 holes
3893-3898'	3 JSPF	15 holes
3831-3835'	3 JSPF	12 holes

NEWFIELD**Federal 13-19-9-16**

588' FSL & 758' FWL SWSW

Section 19-T9S-R16E

Duchesne Co, Utah

API # 43-013-33103; Lease # UTU-74391

FEDERAL 14-19-9-16

Spud Date: 01/23/07
Put on Production: 02/27/07

GL: 6245' KB: 6257'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310.59')
DEPTH LANDED: 322.44' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 2.25 bbls cmt to surf.

PRODUCTION CASING

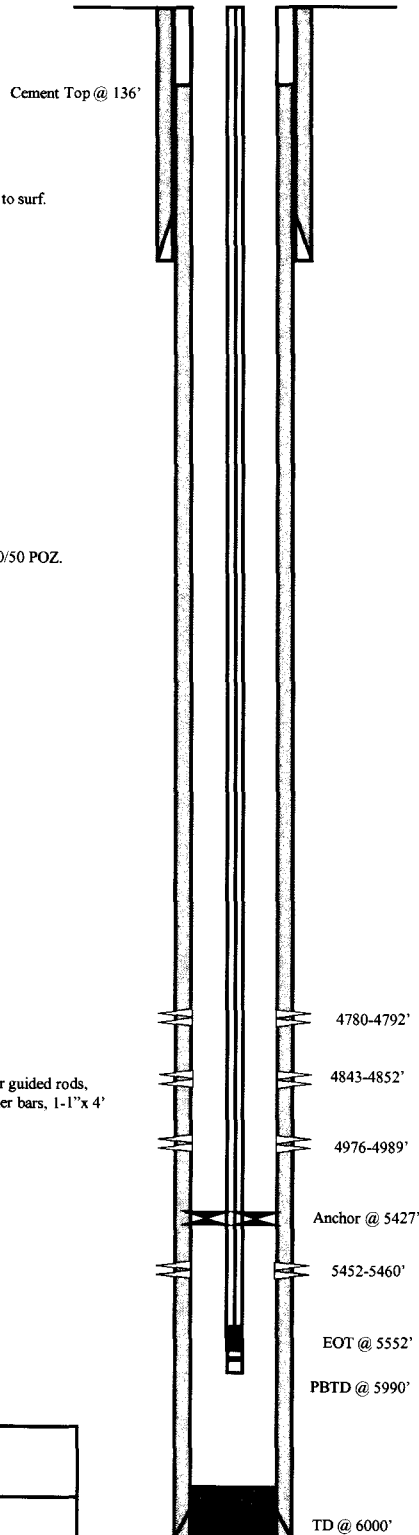
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 137 jts. (5979.73')
DEPTH LANDED: 5992.98' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP: 136'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 174 jts (5415.22')
TUBING ANCHOR: 5427' KB
NO. OF JOINTS: 2 jts (60.30')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5490' KB
NO. OF JOINTS: 2 jts (60.4')
TOTAL STRING LENGTH: EOT @ 5552' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods
SUCKER RODS: 1-2' & 1-6" x 3/4" pony rods, 99-3/4" 4 per guided rods, 103-3/4" sucker rods, 10-3/4" 4 per guided rods, 6-1 1/2" x sinker bars, 1-1" x 4' pony rod, 1-3/4" x 8' pony rod
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12" x 16' RHAC
STROKE LENGTH: 86"
PUMP SPEED, 4. SPM:

Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

02/21/07	5452-5460'	Frac CP1 sands as follows: 34903# 20/40 sand in 471 bbls Lightning 17 frac fluid. Treated @ avg press of 2080 psi w/avg rate of 24.8 BPM. ISIP 1839 psi. Calc flush: 5450 gal. Actual flush: 4872 gal.
02/21/07	4976-4989'	Frac A1 sands as follows: 80502# 20/40 sand in 597 bbls Lightning 17 frac fluid. Treated @ avg press of 2245 psi w/avg rate of 24.6 BPM. ISIP 2369 psi. Calc flush: 4974 gal. Actual flush: 4536 gal.
02/22/07	4780-4852'	Frac B1 & B2 sands as follows: 159255# 20/40 sand in 1026 bbls Lightning 17 frac fluid. Treated @ avg press of 1675 psi w/avg rate of 24.8 BPM. ISIP 1790 psi. Calc flush: 4778 gal. Actual flush: 4662 gal.
03-29-07	Pump Change	Rod & Tubing details updated.
01/28/11		Parted Rods. Rod & tubing updated.

PERFORATION RECORD

02/16/07	5452-5460'	4 JSPF	32 holes
02/21/07	4976-4989'	4 JSPF	52 holes
02/21/07	4843-4852'	4 JSPF	36 holes
02/21/07	4780-4792'	4 JSPF	48 holes

NEWFIELD**FEDERAL 14-19-9-16**

452' FSL & 2258' FWL

SE/SW Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33161; Lease # UTU-74391

Federal 4-30-9-16

Spud Date: 8-15-10
Put on Production: 9-23-10
GL: 6068' KB: 6080'

Wellbore Diagram

FRAC JOB

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts. (335.81')
DEPTH LANDED: 349.66'
HOLE SIZE: 12-1/4"
CEMENT DATA: 180 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts. (5942.38')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5958.38'
CEMENT DATA: 250 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 92'

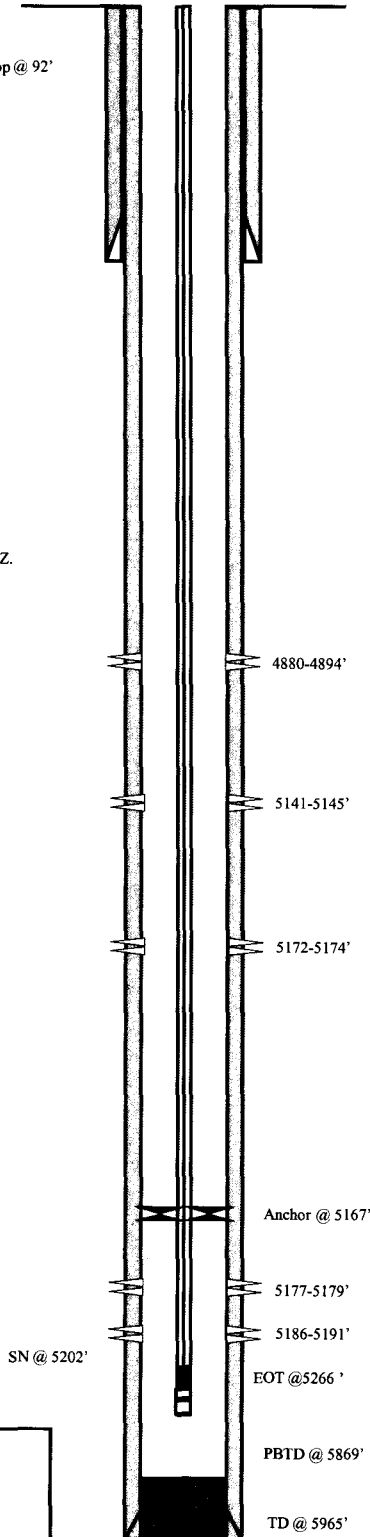
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 165 jts (5154.4')
TUBING ANCHOR: 5167.4'
NO. OF JOINTS: 1 jts (31.4')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 6738.3' KB
NO. OF JOINTS: 2 jts (62.8')
TOTAL STRING LENGTH: EOT @ 5266'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'
SUCKER RODS: 202-4 per guided rods, 4- 1 1/2" weight bars
PUMP SIZE: 2 1/2 x 1 3/4" x 24" RHAC
STROKE LENGTH: 144
PUMP SPEED: SPM 5

Cement Top @ 92'



9-14-10 5141-5191'

Frac LODC sands as follows: Frac with 46141# 20/40 sand in 292 bbls lightning 17 fluid.

9-18-10 4880-4894'

Frac A1 sands as follows: Frac with 63340# 20/40 sand in 420 bbls Lightning 17 fluid.

PERFORATION RECORD

5186-5191'	3 JSPF	15 holes
5177-5179'	3 JSPF	6 holes
5172-5174'	3 JSPF	6 holes
5141-5145'	3 JSPF	12 holes
4880-4894'	3 JSPF	42 holes

NEWFIELD**Federal 4-30-9-16**

769' FNL & 2034' FWL (NE/NW)

Section 30, T9S, R16

Duchesne Co, Utah

API # 43-013-33470; Lease # UTU-74391

Spud Date: 09/02/06

Put on Production: 10/24/06

GL: 6080' KB: 6092'

ASHLEY FEDERAL 16-24-9-15

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (311.45')

DEPTH LANDED: 323.30' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 130 jts. (5697.47')

DEPTH LANDED: 5710.72' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

CEMENT TOP: 190'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 133 jts (4189')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4201' KB

ON/OFF TOOL AT: 4202.1'

ARROW #1 PACKER CE AT: 4207.5'

XO 2-3/8 x 2-7/8 J-55 AT: 4211'

TBG PUP 2-3/8 J-55 AT: 4211.5'

X/N NIPPLE AT: 4215.7'

TOTAL STRING LENGTH: EOT @ 4217.2'

FRAC JOB

10/17/06 4724-4732'

Frac A1 sands as follows:

34968# 20/40 sand in 387 bbls Lightning 17 frac fluid. Treated @ avg press of 2380 psi w/avg rate of 25 BPM. ISIP 2800 psi. Calc flush: 4722 gal. Actual flush: 4662 gal.

10/17/06 4614-4622'

Frac B2 sands as follows:

34408# 20/40 sand in 371 bbls Lightning 17 frac fluid. Treated @ avg press of 2140 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 4612 gal. Actual flush: 4116 gal.

10/17/06 4506-4514'

Frac D3 sands as follows:

69835# 20/40 sand in 522 bbls Lightning 17 frac fluid. Treated @ avg press of 2100 psi w/avg rate of 24.9 BPM. ISIP 2150 psi. Calc flush: 4504 gal. Actual flush: 3990 gal.

10/17/06 4342-4354'

Frac D1 sands as follows:

79810# 20/40 sand in 578 bbls Lightning 17 frac fluid. Treated @ avg press of 2100 psi w/avg rate of 25 BPM. ISIP 2300 psi. Calc flush: 4340 gal. Actual flush: 3864 gal.

10/17/06 4264-4275'

Frac DS2 sands as follows:

48615# 20/40 sand in 403 bbls Lightning 17 frac fluid. Treated @ avg press of 2460 psi w/avg rate of 24.9 BPM. ISIP 2580 psi. Calc flush: 4262 gal. Actual flush: 4158 gal.

12-13-07

Pump Change. Updated rod & tubing details.

10/23/08

Tubing Leak. Updated rod & tubing details.

11/08/13

Convert to Injection Well

11/12/13

Conversion MIT Finalized – update tbg detailPERFORATION RECORD

10/03/06	4724-4732'	4 JSPF	32 holes
10/17/06	4614-4622'	4 JSPF	32 holes
10/17/06	4506-4514'	4 JSPF	32 holes
10/17/06	4458-4465'	4 JSPF	28 holes
10/17/06	4342-4354'	4 JSPF	48 holes
10/17/06	4264-4275'	4 JSPF	44 holes

SN @ 4201'

On Off Tool @ 4202'

Packer @ 4207'

X/N Nipple @ 4216'

EOT @ 4217'

4264-4275'

4342-4354'

4458-4465'

4506-4514'

4614-4622'

4724-4732'

PBTD @ 5695'

TD @ 5760'

NEWFIELD**ASHLEY FEDERAL 16-24-9-15**

590' FSL & 799' FEL

SE/SE Section 24-T9S-R15E

Duchesne Co, Utah

API #43-013-32944; Lease #UTU-02458

Ashley Federal 9-24-9-15

Spud Date: 7-7-06
Put on Production: 8-30-06
GL: 6242' KB: 6254'

Initial Production: BOPD,
MCFD, BWPD

Injection Wellbore
DiagramSURFACE CASING

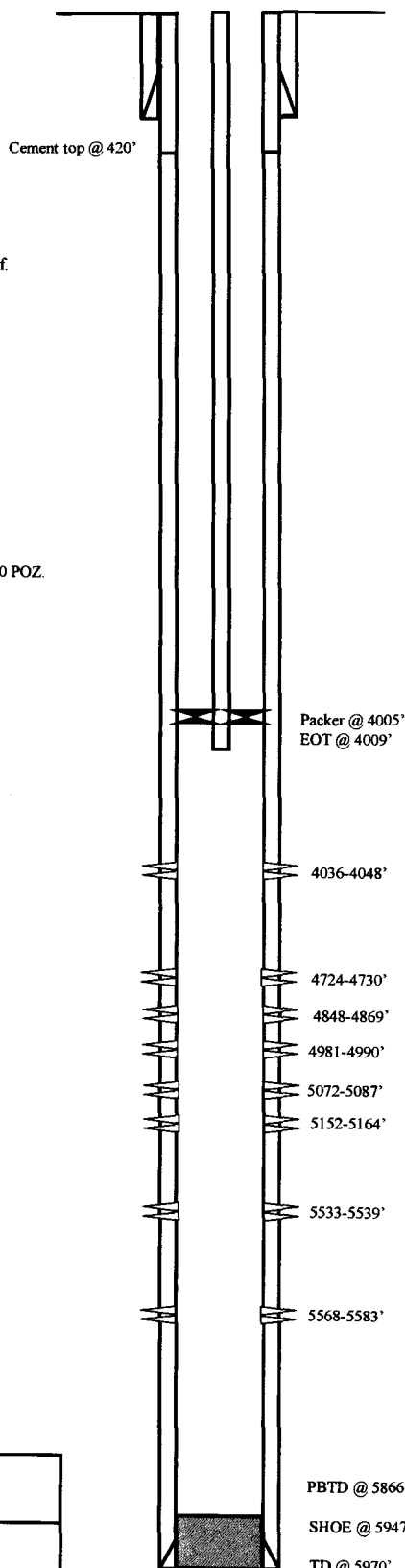
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (309.97')
DEPTH LANDED: 314.77' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 136 jts. (5933.97')
DEPTH LANDED: 5947.22' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 420'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 126 jts (3988.71')
SN LANDED AT: 4000.71' KB
TOTAL STRING LENGTH: EOT @ 4009.11' KB

FRAC JOB

08-22-06	5533-5583'	Frac CP1, & CP3 sands as follows: 49445# 20/40 sand in 430 bbls Lightning 17 frac fluid. Treated @ avg press of 1798 psi w/avg rate of 25.1 BPM. ISIP 1800 psi. Calc flush: 5531 gal. Actual flush: 4998 gal.
08-22-06	5152-5164'	Frac LODC sands as follows: 33453# 20/40 sand in 385 bbls Lightning 17 frac fluid. Treated @ avg press of 2733 psi w/avg rate of 24.9 BPM. ISIP 2600 psi. Calc flush: 5150 gal. Actual flush: 4704 gal.
08-24-06	5072-5087'	Frac LODC sands as follows: 33580# 20/40 sand in 441 bbls Lightning 17 frac fluid. Treated @ avg press of 2730 psi w/avg rate of 24.9 BPM. ISIP 3000 psi. Calc flush: 5070 gal. Actual flush: 4620 gal.
08-24-06	4981-4990'	Frac A1 sands as follows: 29436# 20/40 sand in 360 bbls Lightning 17 frac fluid. Treated @ avg press of 2150 w/ avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 4979 gal. Actual flush: 4536 gal.
08-25-06	4848-4869'	Frac B2 sands as follows: 120080# 20/40 sand in 824 bbls Lightning 17 frac fluid. Treated @ avg press of 2010 w/ avg rate of 25.1 BPM. ISIP 2450 psi. Calc flush: 4846 gal. Actual flush: 4368 gal.
08-25-06	4036-4730'	Frac C, GB4 sands as follows: 49591# 20/40 sand in 394 bbls Lightning 17 frac fluid. Treated @ avg press of 1936 w/ avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush: 4034 gal. Actual flush: 3906 gal. Pump Change. Update rod and tubing details.
10/27/06		Well converted to an Injection Well. MIT completed and submitted.
9/29/08		
10/13/08		

PERFORATION RECORD

08-11-06	5568-5583'	4 JSPF	60 holes
08-11-06	5533-5539'	4 JSPF	24 holes
08-22-06	5152-5164'	4 JSPF	48 holes
08-22-06	5072-5087'	4 JSPF	60 holes
08-24-06	4981-4990'	4 JSPF	36 holes
08-25-06	4848-4869'	4 JSPF	84 holes
08-25-06	4724-4730'	4 JSPF	24 holes
08-25-06	4036-4048'	4 JSPF	48 holes

NEWFIELD

Ashley Federal 9-24-9-15

2009' FSL & 755' FEL

NE/SE Section 24-T9S-R15E

Duchesne Co, Utah

API # 43-013-32819; Lease # UTU-02458

Ashley Federal 8-24-9-15

Spud Date: 7-5-06
Put on Production: 9-1-06

GL: 6201' KB: 6213'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (309.21')
DEPTH LANDED: 321.06' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 135 jts (5918.43')
DEPTH LANDED: 5931.68' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP AT: 350'

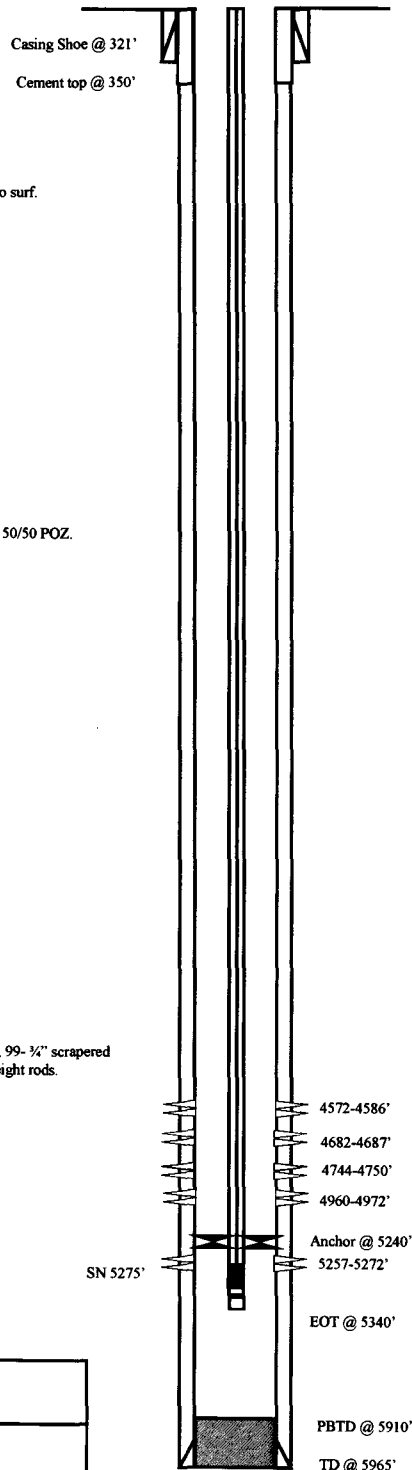
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 165 jts (5559.84')
TUBING ANCHOR: 5239.99' KB
NO. OF JOINTS: 1 jts (31.74')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5274.53' KB
NO. OF JOINTS: 2 jts (63.37')
TOTAL STRING LENGTH: EOT @ 5339.45' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-8", 1-6", 2-4", & 1-2" X 3/4" pony rods, 99- 3/4" scraped rods, 94- 3/4" plain rods, 10-3/4" scraped rods, 6-1 1/2" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

08-29-06	5257-5272'	Frac LODC sands as follows: 40499# 20/40 sand in 430 bbls Lightning 17 frac fluid. Treated @ avg press of 2365 psi w/avg rate of 25 BPM. ISIP 2475 psi. Calc flush: 5255 gal. Actual flush: 4746 gal.
08-29-06	4960-4972'	Frac A1 sands as follows: 70637# 20/40 sand in 522 bbls Lightning 17 frac fluid. Treated @ avg press of 1895 psi w/avg rate of 25 BPM. ISIP 1950 psi. Calc flush: 4958 gal. Actual flush: 4444 gal.
08-29-06	4682-4750'	Frac C, & D3 sands as follows: 34614# 20/40 sand in 374 bbls Lightning 17 frac fluid. Treated @ avg press of 2035psi w/avg rate of 24.9 BPM. ISIP 1750 psi. Calc flush: 4680 gal. Actual flush: 4162 gal.
08-29-06	4572-4586'	Frac D1 sands as follows: 75771# 20/40 sand in 562 bbls Lightning 17 frac fluid. Treated @ avg press of 1955 w/ avg rate of 25 BPM. ISIP 2025 psi. Calc flush: 4570 gal. Actual flush: 4440 gal.

PERFORATION RECORD

08-16-06	5257-5272'	4 JSPF	60 holes
08-29-06	4960-4972'	4 JSPF	48 holes
08-29-06	4744-4750'	4 JSPF	24 holes
08-29-06	4682-4687'	4 JSPF	20 holes
08-29-06	4572-4586'	4 JSPF	56 holes

NEWFIELD

Ashley Federal 8-24-9-15

2130' FNL & 584' FEL

SE/NE Section 24-T9S-R15E

Duchesne Co, Utah

API # 43-013-32818; Lease # UTU-02458

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

multi-chem

A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Michael McBride**Well Name: **FEDERAL 12-19-9-16**Lab Tech: **Gary Winegar**Sample Point: **Treater**Sample Date: **7/17/2013**Sample ID: **WA-248879**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	7/24/2013	Cations		Anions	
System Temperature 1 (°F):	120	Sodium (Na):	9679.64	Chloride (Cl):	13000.00
System Pressure 1 (psig):	60	Potassium (K):	52.00	Sulfate (SO4):	102.00
System Temperature 2 (°F):	210	Magnesium (Mg):	0.95	Bicarbonate (HCO3):	3416.00
System Pressure 2 (psig):	60	Calcium (Ca):	5.00	Carbonate (CO3):	
Calculated Density (g/ml):	1.015	Strontium (Sr):	0.60	Acetic Acid (CH3COO)	
pH:	9.50	Barium (Ba):	0.50	Propionic Acid (C2H5COO)	
Calculated TDS (mg/L):	26318.92	Iron (Fe):	57.00	Butanoic Acid (C3H7COO)	
CO2 in Gas (%):		Zinc (Zn):	0.12	Isobutyric Acid ((CH3)2CHCOO)	
Dissolved CO2 (mg/L):	0.00	Lead (Pb):	0.13	Fluoride (F):	
H2S in Gas (%):		Ammonia NH3:		Bromine (Br):	
H2S in Water (mg/L):	15.00	Manganese (Mn):	0.70	Silica (SiO2):	4.28

Notes:

B=6

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.74	4.30	0.00	0.00	5.43	13.56	4.67	41.45	0.00	0.00	0.00	0.00	0.00	0.00	9.58	0.06
200.00	60.00	1.70	4.29	0.00	0.00	5.43	13.56	4.63	41.45	0.00	0.00	0.00	0.00	0.00	0.00	9.68	0.06
190.00	60.00	1.66	4.28	0.00	0.00	5.44	13.56	4.60	41.45	0.00	0.00	0.00	0.00	0.00	0.00	9.78	0.06
180.00	60.00	1.62	4.27	0.00	0.00	5.45	13.56	4.56	41.45	0.00	0.00	0.00	0.00	0.00	0.00	9.89	0.06
170.00	60.00	1.59	4.26	0.00	0.00	5.46	13.56	4.52	41.45	0.00	0.00	0.00	0.00	0.00	0.00	10.01	0.06
160.00	60.00	1.56	4.26	0.00	0.00	5.48	13.56	4.48	41.45	0.00	0.00	0.00	0.00	0.00	0.00	10.13	0.06
150.00	60.00	1.52	4.24	0.00	0.00	5.51	13.56	4.44	41.45	0.00	0.00	0.00	0.00	0.00	0.00	10.26	0.06
140.00	60.00	1.49	4.23	0.00	0.00	5.54	13.56	4.39	41.45	0.00	0.00	0.00	0.00	0.00	0.00	10.40	0.06
130.00	60.00	1.47	4.23	0.00	0.00	5.58	13.56	4.35	41.45	0.00	0.00	0.00	0.00	0.00	0.00	10.55	0.06
120.00	60.00	1.44	4.22	0.00	0.00	5.63	13.56	4.30	41.45	0.00	0.00	0.00	0.00	0.00	0.00	10.71	0.06

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

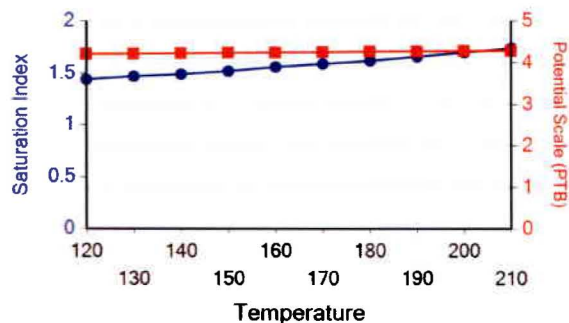
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.08	10.68	0.05	5.97	1.89	2.54	2.58	17.43	4.64
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	2.02	0.08	10.84	0.05	5.67	1.89	2.38	2.55	17.24	4.64
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.95	0.08	11.02	0.05	5.35	1.88	2.21	2.52	17.06	4.64
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.88	0.08	11.21	0.05	5.03	1.88	2.05	2.48	16.87	4.64
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	0.08	11.40	0.05	4.71	1.87	1.87	2.44	16.68	4.64
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.71	0.08	11.61	0.05	4.37	1.86	1.70	2.38	16.48	4.64
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.62	0.08	11.82	0.05	4.04	1.84	1.53	2.32	16.29	4.64
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52	0.08	12.05	0.05	3.69	1.82	1.35	2.24	16.10	4.64
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.42	0.08	12.30	0.05	3.35	1.80	1.18	2.15	15.91	4.64
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	0.08	12.55	0.05	3.00	1.77	1.01	2.04	15.72	4.64

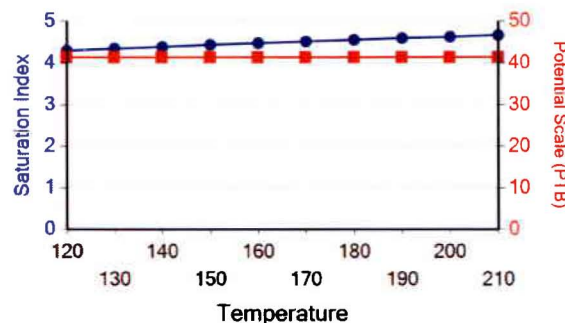
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

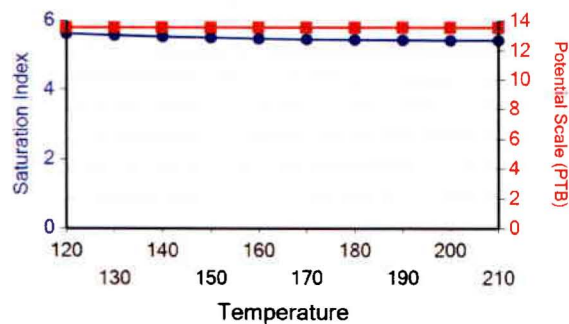
Calcium Carbonate



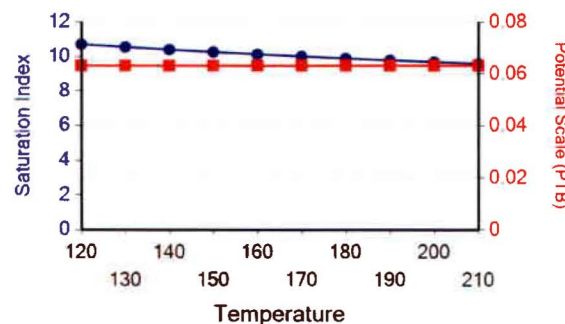
Iron Carbonate



Iron Sulfide

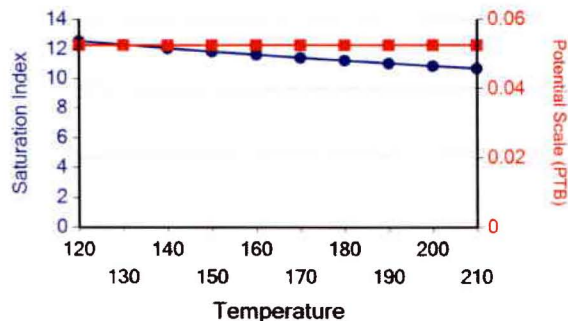


Zinc Sulfide

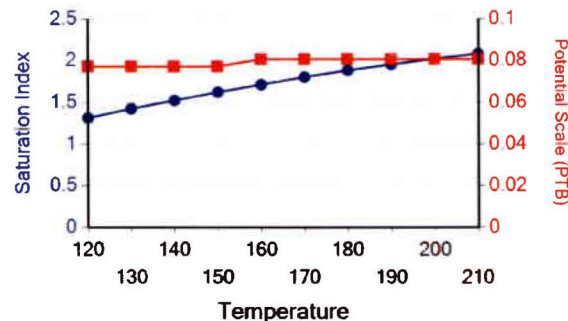


Water Analysis Report

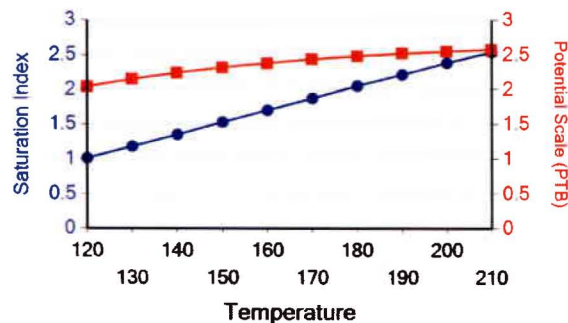
Lead Sulfide



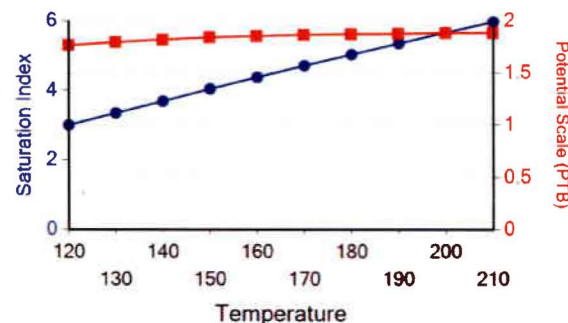
Zinc Carbonate



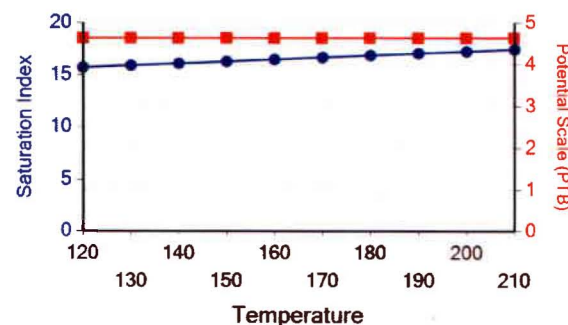
Ca Mg Silicate



Mg Silicate



Fe Silicate



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Michael McBride**Well Name: **SWDIF**Lab Tech: **Gary Peterson**Sample Point: **After Filter**Sample Date: **12/4/2012**Sample ID: **WA-229142**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	12/5/2012	Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	120.00	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	11.00	Sulfate (SO ₄):	120.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	26.00	Bicarbonate (HCO ₃):	366.00
System Pressure 2 (psig):	60.0000	Calcium (Ca):	46.20	Carbonate (CO ₃):	
Calculated Density (g/ml):	0.999	Strontium (Sr):		Acetic Acid (CH ₃ COO)	
pH:	6.80	Barium (Ba):	0.17	Propionic Acid (C ₂ H ₅ COO)	
Calculated TDS (mg/L):	2304.49	Iron (Fe):	0.13	Butanoic Acid (C ₃ H ₇ COO)	
CO ₂ in Gas (%):		Zinc (Zn):	0.02	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
Dissolved CO ₂ (mg/L):	15.00	Lead (Pb):	0.00	Fluoride (F):	
H ₂ S in Gas (%):		Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Water (mg/L):	2.50	Manganese (Mn):	0.04	Silica (SiO ₂):	

Notes:

9:30

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ ·2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

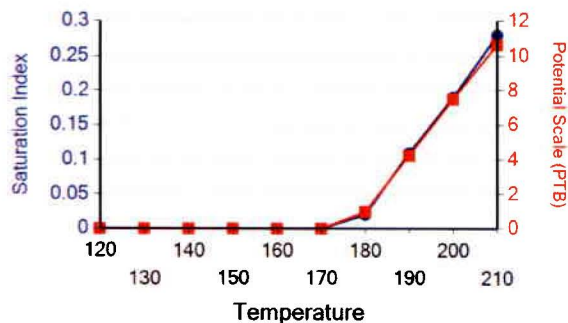
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ ·0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

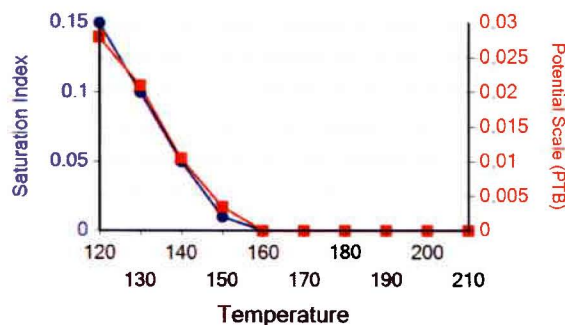
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Zinc Sulfide

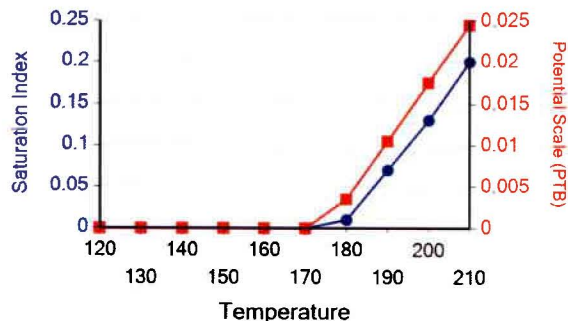
Calcium Carbonate



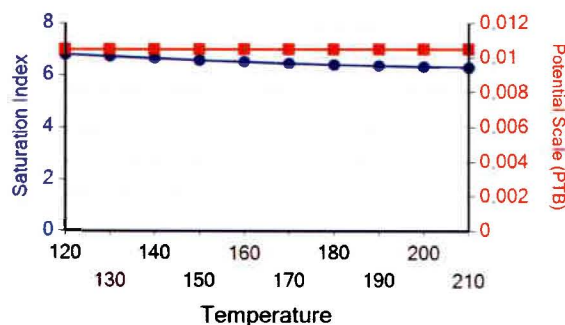
Barium Sulfate



Iron Sulfide



Zinc Sulfide



Attachment "G"

Federal #12-19-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4764	4774	4769	2446	0.95	2415
4636	4584	4610	1790	0.82	1760 ←
4525	4542	4534	2342	0.95	2313
4372	4389	4381	2241	0.95	2213
4304	4313	4309	2607	1.04	2579
				Minimum	<u>1760</u>

Calculation of Maximum Surface Injection Pressure

$$P_{max} = (Frac\ Grad - (0.433 * 1.015)) \times \text{Depth of Top Perf}$$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$$Frac\ Gradient = (ISIP + (0.433 * \text{Top Perf.})) / \text{Top Perf.}$$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

Daily Activity Report

Format For Sundry

FEDERAL 12-19-9-16**4/1/2007 To 8/30/2007****6/4/2007 Day: 1****Completion**

Rigless on 6/3/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5672' & cement top @ sfc. Perforate stage #1 W/ 3 1/8" slick gun as follows: A1 sds @ 4764-74' W/ 4 JSPF. RDWLT. SIFN W/ est 136 BWTR.

6/7/2007 Day: 2**Completion**

Rigless on 6/6/2007 - RU BJ Services. 0 psi on well. Frac A1 sds w/ 49,572#'s of 20/40 sand in 420 bbls of Lightning 17 fluid. Broke @ 2764 psi. Treated w/ ave pressure of 2181 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2446 psi. Leave pressure on well. 556 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 5' & 5' perf gun. Set plug @ 4710'. Perforate B2 sds @ 4636- 41', B1 sds @ 4584-89' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots (2 runs due to misrun). RU BJ Services. 220 psi on well. Frac B1 & B2 sds w/ 14,528#'s of 20/40 sand in 232 bbls of Lightning 17 fluid. Broke @ 4100 psi. Treated w/ ave pressure of 2162 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1790 psi. Leave pressure on well. 788 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 17' perf gun. Set plug @ 4570'. Perforate C sds @ 4525-42' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 68 shots. RU BJ Services. 390 psi on well. Frac C sds w/ 99,094#'s of 20/40 sand in 695 bbls of Lightning 17 fluid. Broke @ 4100 psi. Treated w/ ave pressure of 2017 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2342 psi. Leave pressure on well. 1483 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 14' perf gun. Set plug @ 4480'. Perforate D1 sds @ 4372- 86' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 56 shots. RU BJ Services. 476 psi on well. Frac D1 sds w/ 93,828#'s of 20/40 sand in 683 bbls of Lightning 17 fluid. Broke @ 3492 psi. Treated w/ ave pressure of 1800 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 2241 psi. Leave pressure on well. 2166 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 10' perf gun. Set plug @ 4350'. Sand stuck WL while setting plug. Pulled off WL. 3 1/8" fish top @ 4324'. Decision was made to run in hole w/ 9' perf gun & perforate DS3 sds @ 4304.5- 13.5' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 36 shots. RU BJ Services. 219 psi on well. Frac DS3 sds w/ 17,586#'s of 20/40 sand in 243 bbls of Lightning 17 fluid. Broke @ 3910 psi. Treated w/ ave pressure of 2345 psi @ ave rate of 24.7 BPM. ISIP 2607 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 1 hr & died. Rec. 60 BTF. SIWFN w/ 2349 BWTR.

6/8/2007 Day: 3**Completion**

NC #3 on 6/7/2007 - MIRUSU. ND frac head & BOP. NU production head & BOP. RU rig floor. X- over to tbq eq. SDFD @ 5:30.

6/9/2007 Day: 4**Completion**

NC #3 on 6/8/2007 - PU TIH w/ overshot, jars, bumper sub, & 133- jts 2 7/8. Clean out fill to fish top @ 4324'. Latch onto fish & attempt to work loose. No luck. Release overshot from fish top. TOH w/ 135- jts 2 7/8, & BHA. SDFD @ 6:00.

6/12/2007 Day: 5**Completion**

NC #3 on 6/11/2007 - PU TIH w/ 1- jt washover pipe & 134- jts 2 7/8. RU 4-Star power swivel. Washover fish to 4358'. CWC. TOH w/ 135- jts 2 7/8, W/O pipe. PU TIH w/ overshot, jars, bumper sub, & 135- jts 2 7/8. Latch onto fish top. TOH w/ tbg & BHA. No fish. Replace grapple & TIH w/ overshot, jar, bumper sub, & 135- jts 2 7/8. Latch onto fish top. TOH w/ tbg, BHA, & fish. PU TIH w/ 4 3/4 chomp bit, & 130- jts 2 7/8. EOT @ 4160'. SDFD @ 6:30.

6/13/2007 Day: 6**Completion**

NC #3 on 6/12/2007 - TIH w/ 6- jts 2 7/8. Tag fill @ 4345'. Clean out fill & drill out Plg @ 4350'. TIH w/ tbg to fill @ 4360'. Clean out fill & drill out Plg @ 4480'. TIH w/ tbg to fill @ 4490'. Clean out fill & drill out Plg @ 4570'. TIH w/ tbg to fill @ 4650'. Clean out fill & drill out Plg @ 4710'. TIH w/ tbg to fill @ 5587'. Clean out fill to PBTB @ 5710'. CWC. LD 3- jts 2 7/8. EOT @ 5618'. RU sandline to swab. IFL @ surface. Made 13 swab runs. Recovered 150 bbls water w/ trace oil & no sand. FFL @ 2300'. RD sandline. TIH w/ 3- jts 2 7/8 to PBTB @ 5710'. No new fill. CWC. LD 28- jts 2 7/8. TOH w/ 110- jts 2 7/8. SDFD @ 6:30.

6/14/2007 Day: 7**Completion**

NC #3 on 6/13/2007 - RU rig pump & CWC. Cont TOH w/ 2 7/8 tbg, & chomp bit. PU TIH w/ NC, 2- jts 2 7/8, SN, 1- jt 2 7/8, TA, 148- jts 2 7/8. RD rig floor. ND BOP. Set TA w/ 15000 tension. NU wellhead. X- over to rod eq. Flush tbg w/ 60 bbls water. PU TIH w/ 2 1/2 x 1 1/2 x 20 x 20 RHAC, 6- 1 1/2 wt bars, 10- 3/4 guided rods, 75- 3/4 plain rods, 98- 3/4 guided rods, 8', 6', x 3/4 pony rods, 1 1/2 x 26' polish rod. RU pumping unit. W/ tbg full stroke test rod pump to 800 psi. Good test. RDMOSU @ 7:30. POP @ 7:30 W/ 102" SL 5 SPM FINAL REPORT!!

Pertinent Files: Go to File List

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4255'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 179' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 374'

The approximate cost to plug and abandon this well is \$42,000.

FEDERAL 12-19-9-16

Spud Date: 05/04/07
 Put on Production: 03/28/07
 GL: 6024' KB: 6036'

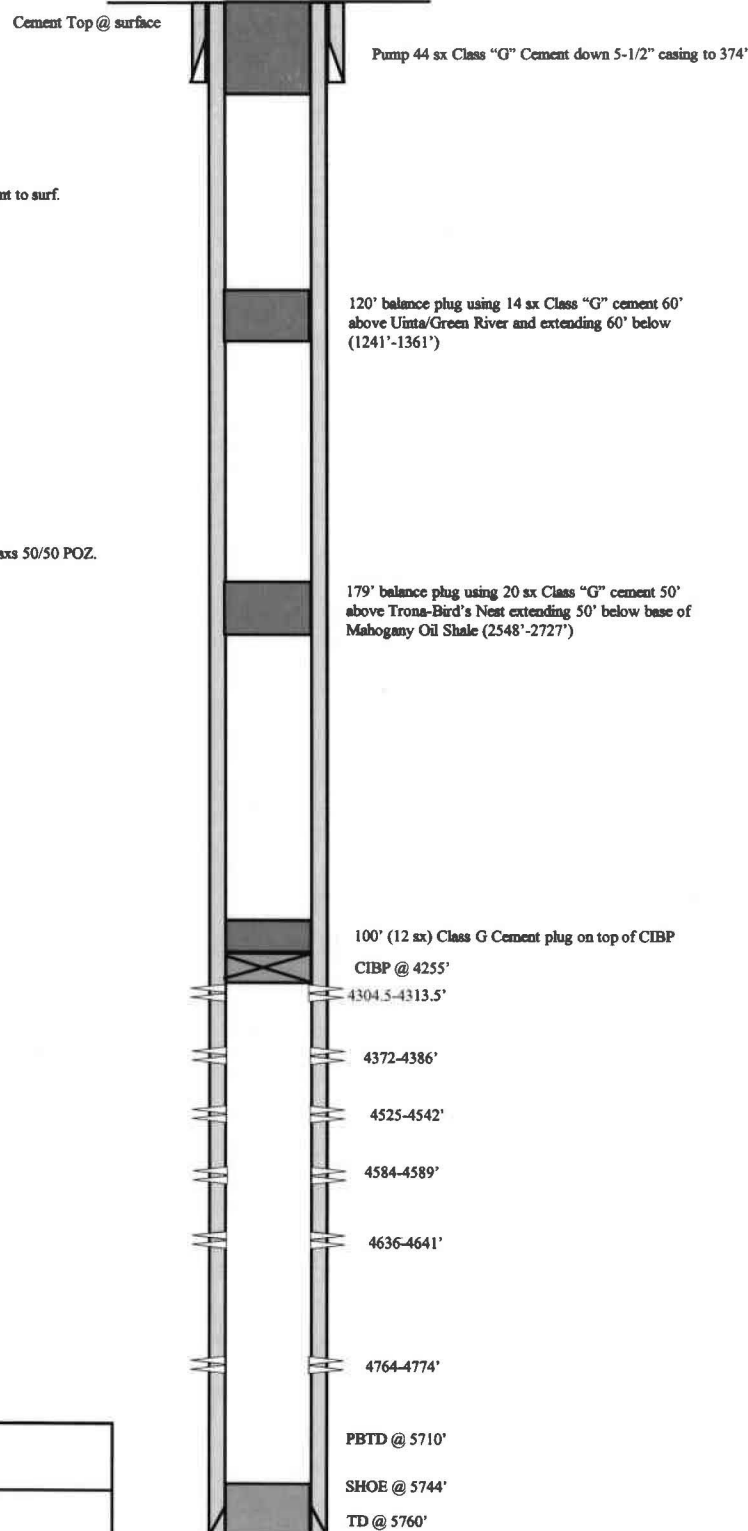
Initial Production: BOPD,
 MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (312.23')
 DEPTH LANDED: 324.08' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 131 jts. (5741.84')
 DEPTH LANDED: 5744.09' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 451 sxs 50/50 POZ.

**Proposed P & A
Wellbore Diagram****NEWFIELD****FEDERAL 12-19-9-16**

1903'FSL & 791' FWL

NWSW Section 19-T9S-R16E

Duchesne Co, Utah

API #43-013-33102; Lease # UTU-74391